



# CVE-2021-23437

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2021-23437
<b>State</b>	PUBLIC
<b>Assigner</b>	report@snyk.io
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-09-03 16:15:00 UTC
<b>Updated</b>	2023-11-07 03:30:00 UTC
<b>Description</b>	The package pillow 5.2.0 and before 8.3.2 are vulnerable to Regular Expression Denial of Service (ReDoS) via the getrgb f

## Risk And Classification

### Problem Types: CWE-125

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	33	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	34	All	All	All
Application	<a href="#">Python</a>	<a href="#">Pillow</a>	All	All	All	All

## References

Reference	Source	Link
Regular Expression Denial of Service (ReDoS) in pillow   Snyk	CONFIRM	<a href="#">snyk.io</a>
[SECURITY] Fedora 34 Update: mingw-python-pillow-8.1.2-4.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="#">lists.fedoraproje</a>
[SECURITY] Fedora 34 Update: mingw-python-pillow-8.1.2-4.fc34 - package-announce - Fedora Mailing-Lists		<a href="#">lists.fedoraproje</a>
Pillow: Multiple Vulnerabilities (GLSA 202211-10) — Gentoo security	GENTOO	<a href="#">security.gentoo.</a>
Raise ValueError if color specifier is too long · python-pillow/Pillow@9e08eb8 · GitHub	CONFIRM	<a href="#">github.com</a>
[SECURITY] Fedora 33 Update: python2-pillow-6.2.2-7.fc33 - package-announce - Fedora Mailing-Lists		<a href="#">lists.fedoraproje</a>
8.3.2 — Pillow (PIL Fork) 8.3.2 documentation	CONFIRM	<a href="#">pillow.readthedc</a>
[SECURITY] Fedora 33 Update: python2-pillow-6.2.2-7.fc33 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="#">lists.fedoraproje</a>
CVE Program record	CVE.ORG	<a href="#">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="#">nvd.nist.gov</a>

## Vendor Comments And Credit

Discovery Credit

**LEGACY:** Liyuan Chen

## Legacy QID Mappings

[182687](#) Debian Security Update for pillow (CVE-2021-23437)

[198632](#) Ubuntu Security Notification for Pillow Vulnerabilities (USN-5227-1)

[281922](#) Fedora Security Update for mingw (FEDORA-2021-9f020cf155)

[281923](#) Fedora Security Update for mingw (FEDORA-2021-cbfaefb390)

[296065](#) Oracle Solaris 11.4 Support Repository Update (SRU) 39.107.1 Missing (CPUOCT2021)

[355610](#) Amazon Linux Security Advisory for python-pillow : ALAS2-2023-2118

[375872](#) Python Pillow Library Denial of Service (DoS) Vulnerability

[500782](#) Alpine Linux Security Update for py3-pillow

[501477](#) Alpine Linux Security Update for py3-pillow

[501769](#) Alpine Linux Security Update for py3-pillow

[502017](#) Alpine Linux Security Update for py3-pillow

[6000536](#) Debian Security Update for pillow (DLA 3768-1)

[670840](#) EulerOS Security Update for python-pillow (EulerOS-SA-2021-2719)

[670980](#) EulerOS Security Update for python-pillow (EulerOS-SA-2021-2641)

[670999](#) EulerOS Security Update for python-pillow (EulerOS-SA-2021-2670)

[671003](#) EulerOS Security Update for python-pillow (EulerOS-SA-2021-2694)

[671249](#) EulerOS Security Update for python-pillow (EulerOS-SA-2022-1184)

[690755](#) Free Berkeley Software Distribution (FreeBSD) Security Update for pillow (ed8a4215-675c-11ec-8dd4-a0f3c100ae18)

[710682](#) Gentoo Linux Pillow Multiple Vulnerabilities (GLSA 202211-10)

[980786](#) Python (pip) Security Update for pillow (GHSA-98vv-pw6r-q6q4)

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