

Converting Colors

XYZ(23.4981, 12.4960, 89.1692)

Have a look what the booklet for
XYZ(23.4981, 12.4960, 89.1692)
contains.

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Color

**XYZ(23.4981, 12.4960,
89.1692)**

Conversions

Conversions Part 1

Format	Color
Hex	633BF7
RGB	99, 59, 247
RGB Percent	39%, 23%, 97%
CMY	0.6117, 0.7686, 0.0314
CMYK	0.60, 0.76, 0.00, 0.03
HSL	253°, 92%, 60%
HSV	253°, 76%, 97%
XYZ	23.4981, 12.4960, 89.1692
YIQ	92.3920, -36.5080, 66.9480

Conversions

Conversions Part 2

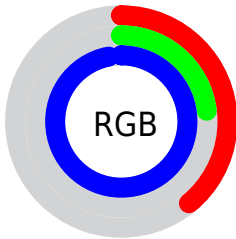
Format	Color
R_{YB}	99, 59, 247
Decimal	6503415
CIE _{Lab}	41.99, 63.84, -87.13
CIE _{LCh}	42, 108.012, 306.230
Yxy	12.4960, 0.1877, 0.0998
Android (android.graphics.Color)	4284693495 (0xFF633BF7)
YUV	92.3920, 76.2217, 5.7952
Hunter-Lab	35.3497, 56.7929, -124.8136

Details

The XYZ color **23.4981, 12.4960, 89.1692** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **59.7797, 80.1016, 16.4478**, and the grayscale version is **10.0993, 10.6253, 11.5709**.

A 20% lighter version of the original color is **39.0443, 26.4814, 97.6613**, and **9.1853, 3.6741, 48.3692** is the 20% darker color. If you saturate the color by 10%, you get **20.6408, 9.5632, 88.7541**, and if you desaturate by 10%, it is **27.4682, 16.8925, 89.8089**.

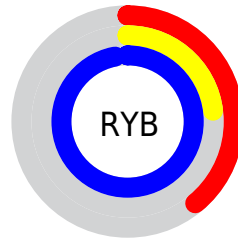
Distribution



Red (39%)

Green (23%)

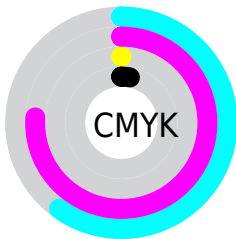
Blue (97%)



Red (39%)

Yellow (23%)

Blue (97%)

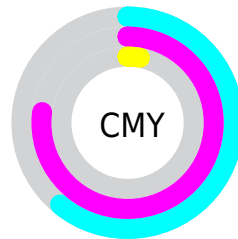


Cyan (60%)

Magenta (76%)

Yellow (0%)

Black (3%)



Cyan (61%)

Magenta (77%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4981, 12.4960, 89.1692 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 23.4981, 12.4960, 89.1692 by changing the saturation by 10% instead.

■ 23.4981, 12.4960,
89.1692

■ 23.4981, 12.4960,
89.1692

262.7609,
207.6618, 545.8248

■ 15.0844, 7.0824,
66.7220

■ 48.6706, 30.3953,
148.1093

■ 8.9654, 3.5137,
48.3985

■ 66.1601, 43.6498,
185.4392

■ 4.7755, 1.4054,
33.7804

■ 87.4057, 60.2868,
228.5670

■ 2.1496, 0.2207,
22.4489

■ 112.7726, 80.6905,
277.9114

■ 0.7160, 0.0000,
13.9857

■ 142.6262,
105.2455, 333.8908

■ 0.0000, 0.0000,
7.9721

■ 177.3319,

■ 0.0000, 0.0000,

134.3362, 396.9238

3.9896

217.2550,
168.3468, 467.4290

■ 0.0000, 0.0000,
1.6196

■ 0.0000, 0.0000,
0.3048

■ 23.4981, 12.4960,
89.1692

■ 23.4981, 12.4960,
89.1692

■ 20.6408, 9.5632,
88.7541

■ 27.4682, 16.8925,
89.8089

■ 18.7636, 7.8882,
88.5297

■ 32.6571, 22.9190,
90.6987

■ 18.2341, 7.4606,
88.4751

■ 39.1603, 30.7196,
91.8616

■ 47.0629, 40.4219,
93.3178

■ 56.4424, 52.1418,
95.0856

■ 67.3706, 65.9857,
97.1818

■ 79.9146, 82.0527,
99.6219

■ 93.6253, 99.4113,
102.2498

■ 93.7886, 99.4954,
102.2574

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.6273, 12.4960, 121.3577



23.4981, 12.4960, 89.1692



32.2732, 12.4960, 40.2403

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.4981, 12.4960, 89.1692



19.2263, 12.4960, 0.0000



2.2048, 12.4960, 18.9735

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.4981, 12.4960, 89.1692



59.7797, 80.1016, 16.4478

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.6244, 12.4960, 2.4486



23.4981, 12.4960, 89.1692



10.2835, 12.4960, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.4981, 12.4960, 89.1692



29.1280, 12.4960, 0.5988



4.9036, 12.4960, 0.0000



3.2836, 12.4960, 59.8448

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.4981, 12.4960, 89.1692



34.8155, 12.4960, 16.7163



4.9036, 12.4960, 0.0000



2.1862, 12.4960, 10.9077

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.4989, 12.4963, 89.1696



64.1159, 60.3887, 102.8847



41.4908, 53.4426, 96.1247



12.8624, 11.8402, 21.8574



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.4989, 12.4963, 89.1696



21.0529, 9.2214, 95.2780



39.7378, 20.8677, 89.9295



15.9107, 16.0966, 20.8109



9.7391, 3.9950, 46.7958



0.9388, 0.3938, 4.1168

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.1831, 27.4065, 61.6176



52.6394, 26.3084, 60.4517



41.1731, 70.5095, 15.5770



17.0538, 16.7044, 20.0296



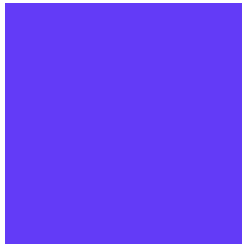
25.5161, 12.5499, 28.4900



2.2794, 1.1177, 2.6978

Previews

White Background



This preview shows how the XYZ color 23.4981, 12.4960, 89.1692 looks on a white background.

Color Contrast Check

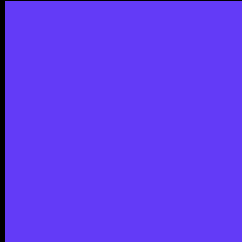
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.4981, 12.4960, 89.1692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

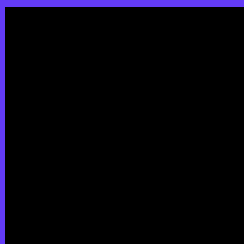
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4981, 12.4960, 89.1692

Background



This preview shows how black text looks on a background with the XYZ color 23.4981, 12.4960, 89.1692.



This preview shows how white text looks on a background with the XYZ color 23.4981, 12.4960,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.4981, 12.4960, 89.1692

Protanopia

14.5175, 12.3545, 56.2631

Deuteranopia

12.0044, 12.2476, 40.2594



Tritanopia

9.3364, 12.4028, 18.7315

Trichromacy



Original Color

23.4981, 12.4960, 89.1692

Protanomaly

16.2692, 11.4194, 66.9923

Deuteranomaly

14.3641, 11.1542, 55.4287

Tritanomaly

12.2205, 10.9533, 36.5921

Monochromacy



Original Color

23.4981, 12.4960, 89.1692

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.9333, 10.3083, 29.3250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4981, 12.4960, 89.1692 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 59, 247)` looks like.

```
.text, #text, p{  
    color:rgb(99, 59, 247)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 59, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 59, 247) }
```

Border

The CSS property to change the border of an element to XYZ 23.4981, 12.4960, 89.1692 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 59, 247) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(99, 59, 247) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(99, 59, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 59, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 59, 247);  
box-shadow:4px 4px 4px 4px rgb(99, 59,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4981, 12.4960, 89.1692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 59, 247) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 59,  
247) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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