

Converting Colors

XYZ(23.9792, 14.1339, 86.8660)

Have a look what the booklet for
XYZ(23.9792, 14.1339, 86.8660)
contains.

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Color

**XYZ(24.0334, 14.1385,
87.0503)**

Conversions

Conversions Part 1

Format	Color
Hex	644AF4
RGB	100, 74, 244
RGB Percent	39%, 29%, 96%
CMY	0.6078, 0.7098, 0.0431
CMYK	0.59, 0.70, 0.00, 0.04
HSL	249°, 89%, 62%
HSV	249°, 70%, 96%
XYZ	24.0334, 14.1385, 87.0503
YIQ	101.1540, -39.0740, 58.3820

Conversions

Conversions Part 2

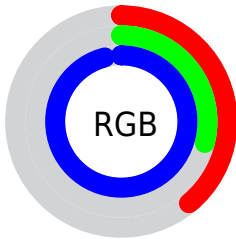
Format	Color
R _Y B	100, 74, 244
Decimal	6572788
CIE Lab	44.43, 55.70, -81.43
CIE LCh	44, 98.659, 304.371
Yxy	14.1385, 0.1919, 0.1129
Android (android.graphics.Color)	4284762868 (0xFF644AF4)
YUV	101.1540, 70.4231, -1.0121
Hunter-Lab	37.6012, 48.2890, -110.9411

Details

The XYZ color **24.0334, 14.1385, 87.0503** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **62.4980, 80.1004, 18.6453**, and the grayscale version is **12.2412, 12.8787, 14.0249**.

A 20% lighter version of the original color is **40.6935, 29.7797, 98.2110**, and **9.2021, 4.2049, 46.7810** is the 20% darker color. If you saturate the color by 10%, you get **20.7055, 10.4556, 86.5152**, and if you desaturate by 10%, it is **28.5739, 19.3834, 87.8237**.

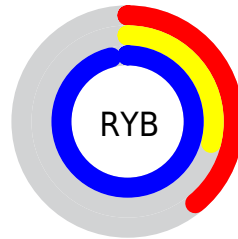
Distribution



Red (39%)

Green (29%)

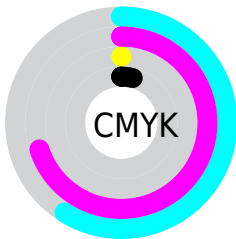
Blue (96%)



Red (39%)

Yellow (29%)

Blue (96%)

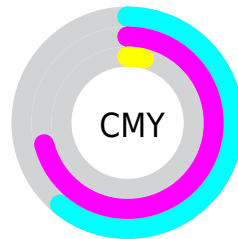


Cyan (59%)

Magenta (70%)

Yellow (0%)

Black (4%)



Cyan (61%)

Magenta (71%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0334, 14.1385, 87.0503 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 24.0334, 14.1385, 87.0503 by changing the saturation by 10% instead.

■ 24.0334, 14.1385,
87.0503

■ 24.0334, 14.1385,
87.0503

265.4266,
218.0907, 538.7086

■ 15.4833, 8.2171,
64.9770

■ 49.5390, 33.3346,
145.1337

■ 9.2478, 4.2342,
46.9912

■ 67.2251, 47.3780,
181.9809

■ 4.9615, 1.8054,
32.6744

■ 88.6873, 64.8975,
224.5898

■ 2.2592, 0.4905,
21.6080

■ 114.2910, 86.2776,
273.3789

■ 0.7737, 0.0000,
13.3736

■ 144.4013,
111.9025, 328.7668

■ 0.0000, 0.0000,
7.5526

179.3838,

■ 0.0000, 0.0000,

142.1568, 391.1721

3.7264

219.6038,
177.4247, 461.0132

■ 0.0000, 0.0000,
1.4765

■ 0.0000, 0.0000,
0.2003

■ 24.0334, 14.1385,
87.0503

■ 24.0334, 14.1385,
87.0503

■ 20.7055, 10.4556,
86.5152

■ 28.5739, 19.3834,
87.8237

■ 18.4654, 8.1553,
86.1893

■ 34.4299, 26.3405,
88.8580

■ 17.1374, 6.9612,
86.0288

■ 41.6959, 35.1434,
90.1741

■ 17.1040, 6.9311,
86.0247

■ 50.4569, 45.9119,
91.7909

60.7910, 58.7559,
93.7254

72.7709, 73.7768,
95.9933

86.4646, 91.0696,
98.6094

93.3292, 99.3117,
99.8385

Harmonies

Analogous

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



14.6360, 14.1385, 113.1225



24.0334, 14.1385, 87.0503



32.4421, 14.1385, 43.1145

Triad

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



24.0334, 14.1385, 87.0503



21.1840, 14.1385, 0.0000



3.2391, 14.1385, 18.9739

Complementary

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



24.0334, 14.1385, 87.0503



62.4980, 80.1004, 18.6453

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.



3.8372, 14.1385, 3.1686



24.0334, 14.1385, 87.0503



12.3077, 14.1385, 0.0000

Square

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



24.0334, 14.1385, 87.0503



30.3925, 14.1385, 1.5521



6.5297, 14.1385, 0.0000



4.3643, 14.1385, 55.6324

Rectangle

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



24.0334, 14.1385, 87.0503



35.0817, 14.1385, 20.0943



6.5297, 14.1385, 0.0000



3.2505, 14.1385, 11.4912

Sweetspot

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



24.0342, 14.1388, 87.0507



65.5184, 62.8526, 103.2863



44.3545, 58.3902, 94.5211



13.3234, 12.5809, 21.9761



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.



24.0342, 14.1388, 87.0507



21.6271, 10.2309, 95.4426



38.6651, 21.6813, 87.7354



15.8171, 16.0484, 20.8066



9.3710, 3.8052, 46.7786



0.8927, 0.3700, 4.1146

Inverse Universe

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



52.4110, 29.1922, 69.1968



55.2417, 28.1184, 71.7849



43.3388, 70.2234, 17.7487



17.0983, 16.7222, 20.2641



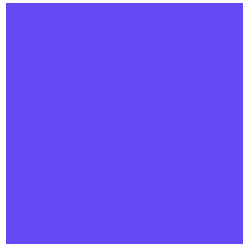
26.4295, 12.9152, 33.2996



2.3517, 1.1467, 3.0786

Previews

White Background



This preview shows how the XYZ color 24.0334, 14.1385, 87.0503 looks on a white background.

Color Contrast Check

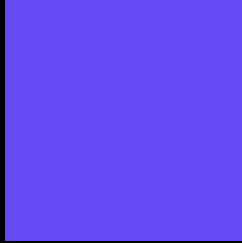
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0334, 14.1385, 87.0503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

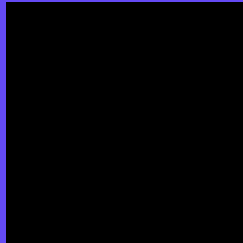
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.0334, 14.1385, 87.0503

Background



This preview shows how black text looks on a background with the XYZ color 24.0334, 14.1385, 87.0503.



This preview shows how white text looks on a background with the XYZ color 24.0334, 14.1385,

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

24.0334, 14.1385, 87.0503

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

13.8049, 13.9343, 46.7617



Tritanopia

10.7648, 14.0690, 20.8871

Trichromacy



Original Color

24.0334, 14.1385, 87.0503



Protanomaly

17.9232, 13.2391, 72.1317



Deuteranomaly

15.8392, 12.9673, 59.4257



Tritanomaly

13.6837, 12.8720, 38.3225

Monochromacy



Original Color

24.0334, 14.1385, 87.0503



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

14.8577, 12.5488, 31.7761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0334, 14.1385, 87.0503 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(100, 74, 244)` looks like.

```
.text, #text, p{  
    color:rgb(100, 74, 244)  
}
```

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(100, 74, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 74, 244) }
```

Border

The CSS property to change the border of an element to XYZ 24.0334, 14.1385, 87.0503 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(100, 74, 244) }
```


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

```
.border{ border-color:rgb(100, 74, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 74, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 74, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 74, 244);  
box-shadow:4px 4px 4px 4px rgb(100, 74,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0334, 14.1385, 87.0503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 74, 244) }
```

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

```
.background{ background-color: rgb(100, 74,  
244) }
```

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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