

Converting Colors

XYZ(45.2999, 33.5029, 88.2939)

Have a look what the booklet for
XYZ(45.2999, 33.5029, 88.2939)
contains.

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Color

**XYZ(45.3785, 33.5906,
88.0963)**

Conversions

Conversions Part 1

Format	Color
Hex	BE83F2
RGB	190, 131, 242
RGB Percent	75%, 51%, 95%
CMY	0.2549, 0.4863, 0.0510
CMYK	0.21, 0.46, 0.00, 0.05
HSL	272°, 81%, 73%
HSV	272°, 46%, 95%
XYZ	45.3785, 33.5906, 88.0963
YIQ	161.2950, -0.4670, 47.0290

Conversions

Conversions Part 2

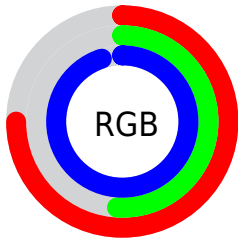
Format	Color
R _Y B	190, 131, 242
Decimal	12485618
CIE Lab	64.64, 43.22, -47.34
CIE LCh	65, 64.097, 312.396
Yxy	33.5906, 0.2716, 0.2011
Android (android.graphics.Color)	4290675698 (0xFFBE83F2)
YUV	161.2950, 39.7876, 25.1743
Hunter-Lab	57.9574, 38.3335, -49.5517

Details

The XYZ color **45.3785, 33.5906, 88.0963** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **55.3782, 75.2110, 33.0725**, and the grayscale version is **33.8355, 35.5975, 38.7657**.

A 20% lighter version of the original color is **74.1104, 61.8744, 102.6447**, and **21.4571, 14.3084, 47.5298** is the 20% darker color. If you saturate the color by 10%, you get **39.7776, 26.4293, 87.0098**, and if you desaturate by 10%, it is **51.9612, 42.3861, 89.4476**.

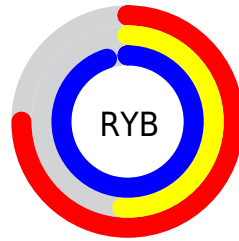
Distribution



Red (75%)

Green (51%)

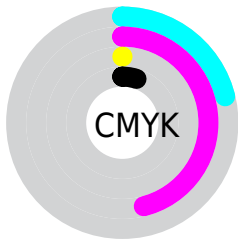
Blue (95%)



Red (75%)

Yellow (51%)

Blue (95%)

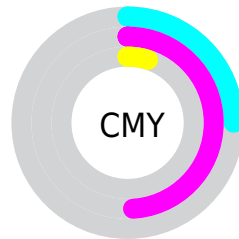


Cyan (21%)

Magenta (46%)

Yellow (0%)

Black (5%)



Cyan (25%)


Magenta (49%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3785, 33.5906, 88.0963 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 45.3785, 33.5906, 88.0963 by changing the saturation by 10% instead.


 45.3785, 33.5906,
88.0963

 45.3785, 33.5906,
88.0963

359.0623,
318.3027, 542.2280

 31.9582, 22.5793,
65.8380


 82.5217, 65.2965,
146.6035

 21.4850, 14.2832,
47.6853


 106.9753, 86.7599,
183.6896

 13.5934, 8.3179,
33.2195


 135.8373,
112.4760, 226.5553

 7.9182, 4.2990,
22.0222

169.4732,
142.8294, 275.6193

 4.0940, 1.8422,
13.6747

208.2483,
178.2044, 331.3000

 1.7555, 0.5133,
7.7586

252.5280,

 0.4906, 0.0000,

218.9853, 394.0160

3.8553

302.6775,
265.5566, 464.1858

■ 0.0000, 0.0000,
1.5463

■ 0.0000, 0.0000,
0.2521

■ 45.3785, 33.5906,
88.0963

■ 45.3785, 33.5906,
88.0963

■ 39.7776, 26.4293,
87.0098

■ 51.9612, 42.3861,
89.4476

■ 35.0960, 20.7882,
86.1677

■ 59.5751, 52.9110,
91.0778

■ 31.2693, 16.5449,
85.5504

■ 68.2705, 65.2580,
93.0027

■ 28.2213, 13.5550,
85.1339

■ 78.0933, 79.5117,
95.2363

■ 25.8589, 11.6405,
84.8889

■ 89.0863, 95.7515,
97.7915

■ 25.0245, 11.0492,
84.8187

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



35.8706, 33.5906, 111.5686



45.3785, 33.5906, 88.0963



51.8958, 33.5906, 54.1065

Triad

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



45.3785, 33.5906, 88.0963



37.5725, 33.5906, 6.4422



17.5960, 33.5906, 48.5435

Complementary

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



45.3785, 33.5906, 88.0963



55.3782, 75.2110, 33.0725

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.



17.8768, 33.5906, 23.3091



45.3785, 33.5906, 88.0963



28.2833, 33.5906, 6.0755

Square

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



45.3785, 33.5906, 88.0963



46.8286, 33.5906, 11.9706



21.4369, 33.5906, 10.4921



20.5783, 33.5906, 82.3833

Rectangle

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



45.3785, 33.5906, 88.0963



53.0262, 33.5906, 34.5005



21.4369, 33.5906, 10.4921



17.3309, 33.5906, 38.7299

Sweetspot

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



45.3798, 33.5919, 88.0971



78.8124, 76.2646, 105.1744



42.6641, 45.7891, 90.5945



16.3822, 15.6233, 22.4021



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.



45.3798, 33.5919, 88.0971



45.2125, 30.2815, 98.0697



60.4856, 41.4112, 87.3608



15.6995, 15.6423, 19.9134



13.6027, 6.0178, 45.5725



1.2464, 0.5598, 3.7966

Inverse Universe

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



53.2824, 38.5300, 49.4296



55.6266, 36.7783, 47.5890



45.3365, 70.0197, 33.2630



16.0810, 15.8821, 17.9827



21.3516, 10.8131, 9.7680



1.8261, 0.9195, 1.0751

Previews

White Background



This preview shows how the XYZ color 45.3785, 33.5906, 88.0963 looks on a white background.

Color Contrast Check

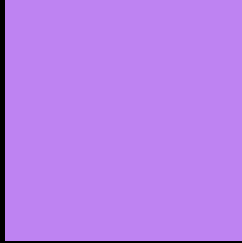
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.3785, 33.5906, 88.0963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

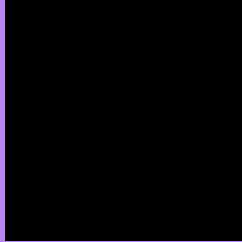
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3785, 33.5906, 88.0963

Background



This preview shows how black text looks on a background with the XYZ color 45.3785, 33.5906, 88.0963.

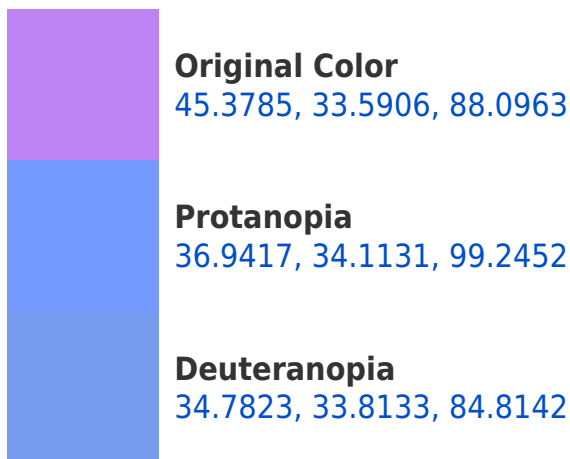


This preview shows how white text looks on a background with the XYZ color 45.3785, 33.5906,

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





Tritanopia

35.2439, 33.6160, 38.3492

Trichromacy



Original Color

45.3785, 33.5906, 88.0963

Protanomaly

39.0358, 33.3892, 94.8298

Deuteranomaly

37.6908, 33.1192, 86.0675

Tritanomaly

38.1728, 33.1864, 53.1089

Monochromacy



Original Color

45.3785, 33.5906, 88.0963

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.2139, 34.3011, 53.3746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3785, 33.5906, 88.0963 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(190, 131, 242)` looks like.

```
.text, #text, p{  
    color:rgb(190, 131, 242)  
}
```

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(190, 131, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 131, 242) }
```

Border

The CSS property to change the border of an element to XYZ 45.3785, 33.5906, 88.0963 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(190, 131, 242) }
```


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

```
.border{ border-color:rgb(190, 131, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 131, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 131, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 131, 242); box-shadow:4px 4px 4px 4px rgb(190, 131, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3785, 33.5906, 88.0963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 131, 242) }
```

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

```
.background{ background-color: rgb(190,  
131, 242) }
```

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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