

Converting Colors

XYZ(48.8235, 33.0290, 98.4097)

Have a look what the booklet for
XYZ(48.8235, 33.0290, 98.4097)
contains.

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Color

**XYZ(48.8539, 33.0704,
98.4161)**

Conversions

Conversions Part 1

Format	Color
Hex	C978FF
RGB	201, 120, 255
RGB Percent	79%, 47%, 100%
CMY	0.2118, 0.5294, 0.0000
CMYK	0.21, 0.53, 0.00, 0.00
HSL	276°, 100%, 74%
HSV	276°, 53%, 100%
XYZ	48.8539, 33.0704, 98.4161
YIQ	159.6090, 4.9410, 59.1570

Conversions

Conversions Part 2

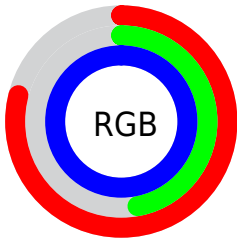
Format	Color
R_{YB}	201, 120, 255
Decimal	13203711
CIE _{Lab}	64.22, 54.75, -55.07
CIE _{LCh}	64, 77.655, 314.836
Yxy	33.0704, 0.2709, 0.1834
Android (android.graphics.Color)	4291393791 (0xFFC978FF)
YUV	159.6090, 47.0278, 36.2999
Hunter-Lab	57.5069, 51.0044, -61.2129

Details

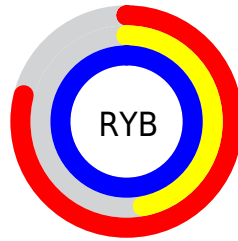
The XYZ color **48.8539, 33.0704, 98.4161** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **56.6060, 81.8748, 30.5903**, and the grayscale version is **33.0241, 34.7440, 37.8362**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **23.7018, 14.0208, 54.8831** is the 20% darker color. If you saturate the color by 10%, you get **43.5341, 26.3661, 97.4024**, and if you desaturate by 10%, it is **55.1746, 41.5038, 99.7108**.

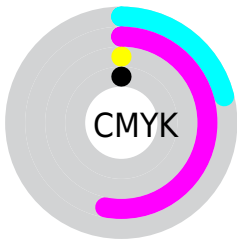
Distribution



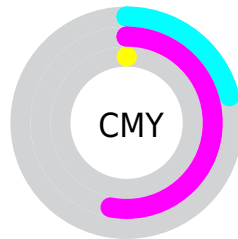
- Red (79%)
- Green (47%)
- Blue (100%)



- Red (79%)
- Yellow (47%)
- Blue (100%)



- Cyan (21%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8539, 33.0704, 98.4161 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 48.8539, 33.0704, 98.4161 by changing the saturation by 10% instead.


 48.8539, 33.0704,
98.4161


 48.8539, 33.0704,
98.4161


372.6934,
315.9668, 576.3058


 34.7177, 22.1804,
74.3689


 87.6765, 64.4854,
161.0117

 23.6110, 13.9895,
54.5974


 113.0935, 85.7792,
200.3972

 15.1685, 8.1134,
38.6831


 143.0015,
111.3097, 245.7325

 9.0248, 4.1676,
26.2073

177.7658,
141.4614, 297.4362

 4.8146, 1.7677,
16.7517

217.7518,
176.6185, 355.9268

 2.1725, 0.4669,
9.8975

263.3248,

 0.7282, 0.0000,

217.1655, 421.6230

5.2263

314.8502,
263.4868, 494.9431

■ 0.0000, 0.0000,
2.3196

■ 0.0000, 0.0000,
0.7422

■ 48.8539, 33.0704,
98.4161

■ 48.8539, 33.0704,
98.4161

■ 43.5341, 26.3661,
97.4024

■ 55.1746, 41.5038,
99.7108

■ 39.1416, 21.2526,
96.6469

■ 62.5550, 51.7825,
101.3057

■ 35.5974, 17.5757,
96.1240

■ 71.0533, 64.0166,
103.2193

■ 32.8045, 15.1474,
95.8025

■ 80.7221, 78.3065,
105.4679

■ 31.1875, 13.9926,
95.6648

■ 91.6103, 94.7455,
108.0671

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



37.1728, 33.0704, 132.2173



48.8539, 33.0704, 98.4161



56.6241, 33.0704, 54.3183

Triad

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



48.8539, 33.0704, 98.4161



37.3042, 33.0704, 3.4612



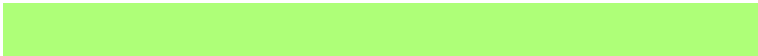
15.0833, 33.0704, 53.8776

Complementary

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



48.8539, 33.0704, 98.4161



56.6060, 81.8748, 30.5903

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.



15.1025, 33.0704, 22.3584



48.8539, 33.0704, 98.4161



26.3157, 33.0704, 3.4423

Square

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



48.8539, 33.0704, 98.4161



48.9692, 33.0704, 7.9391



18.7400, 33.0704, 7.8497



18.6793, 33.0704, 97.9362

Rectangle

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



48.8539, 33.0704, 98.4161



57.6099, 33.0704, 31.1333



18.7400, 33.0704, 7.8497



14.7000, 33.0704, 41.3668

Sweetspot

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



48.8551, 33.0717, 98.4163



77.6361, 73.7096, 104.7433



40.9326, 41.4862, 100.4580



16.1866, 15.1390, 22.3189



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.



48.8551, 33.0717, 98.4163



43.0257, 25.7511, 97.3105



63.9089, 41.0745, 88.1713



18.0485, 17.9168, 22.7570



16.4692, 7.4007, 49.9950



1.7269, 0.7842, 4.8736

Inverse Universe

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



55.5969, 37.7497, 44.4006



51.1423, 31.3167, 35.2824



47.7747, 77.2207, 34.7600



18.3104, 18.1075, 20.2516



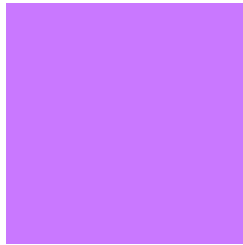
22.8707, 11.6376, 7.9694



2.2790, 1.1540, 1.0508

Previews

White Background



This preview shows how the XYZ color 48.8539, 33.0704, 98.4161 looks on a white background.

Color Contrast Check

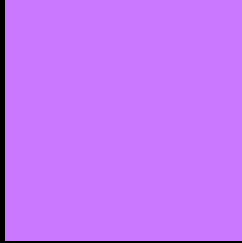
Large Text (above 18pt) WCAG AA × Fail

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 48.8539, 33.0704, 98.4161 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 48.8539, 33.0704, 98.4161

Background



This preview shows how black text looks on a background with the XYZ color 48.8539, 33.0704, 98.4161.



This preview shows how white text looks on a background with the XYZ color 48.8539, 33.0704,

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

48.8539, 33.0704, 98.4161

Protanopia

36.3807, 33.5799, 99.1718

Deuteranopia

34.5407, 33.4973, 93.4521



Tritanopia

36.1337, 32.9654, 35.9110

Trichromacy



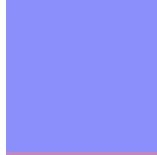
Original Color

48.8539, 33.0704, 98.4161



Protanomaly

39.4289, 32.3807, 98.7797



Deuteranomaly

37.8825, 32.0989, 95.4659



Tritanomaly

39.8044, 32.4905, 54.0425

Monochromacy



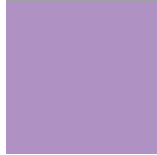
Original Color

48.8539, 33.0704, 98.4161



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

37.6549, 33.3049, 56.0736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8539, 33.0704, 98.4161 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(201, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 120, 255)  
}
```

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(201, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 120, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8539, 33.0704, 98.4161 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(201, 120, 255) }
```


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

```
.border{ border-color:rgb(201, 120, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 120, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 120, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 120,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8539, 33.0704, 98.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 120, 255) }
```

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

```
.background{ background-color: rgb(201,  
120, 255) }
```

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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