

Converting Colors

XYZ(56.3894, 36.6341,
136.3816)

Have a look what the booklet for
XYZ(56.3894, 36.6341, 136.3816)
contains.

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Color

**XYZ(49.2204, 33.8034,
98.5383)**

Conversions

Conversions Part 1

Format	Color
Hex	C97BFF
RGB	201, 123, 255
RGB Percent	79%, 48%, 100%
CMY	0.2118, 0.5176, 0.0000
CMYK	0.21, 0.52, 0.00, 0.00
HSL	275°, 100%, 74%
HSV	275°, 52%, 100%
XYZ	49.2204, 33.8034, 98.5383
YIQ	161.3700, 4.1160, 57.5880

Conversions

Conversions Part 2

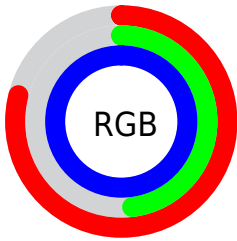
Format	Color
R _Y B	201, 123, 255
Decimal	13204479
CIE _{Lab}	64.81, 53.22, -54.13
CIE _{LCh}	65, 75.910, 314.510
Y _{xy}	33.8034, 0.2711, 0.1862
Android (android.graphics.Color)	4291394559 (0xFFC97BFF)
Y _{UV}	161.3700, 46.1596, 34.7555
Hunter-Lab	58.1407, 49.3673, -59.7877

Details

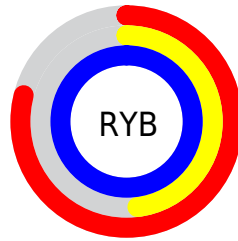
The XYZ color **49.2204, 33.8034, 98.5383** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **57.4669, 82.2973, 31.5962**, and the grayscale version is **33.8400, 35.6024, 38.7710**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **23.8848, 14.3868, 54.9441** is the 20% darker color. If you saturate the color by 10%, you get **43.7496, 26.8836, 97.4909**, and if you desaturate by 10%, it is **55.7077, 42.4712, 99.8694**.

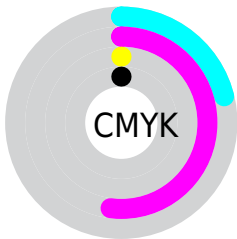
Distribution



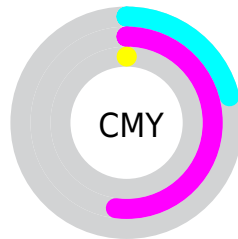
- Red (79%)
- Green (48%)
- Blue (100%)



- Red (79%)
- Yellow (48%)
- Blue (100%)



- Cyan (21%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2204, 33.8034, 98.5383 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 49.2204, 33.8034, 98.5383 by changing the saturation by 10% instead.


 49.2204, 33.8034,
98.5383

 49.2204, 33.8034,
98.5383


374.1119,
319.2545, 576.7027


 35.0096, 22.7426,
74.4703


 88.2175, 65.6278,
161.1813

 23.8368, 14.4036,
54.6799


 113.7344, 87.1602,
200.5935

 15.3367, 8.4019,
38.7487


 143.7509,
112.9520, 245.9574

 9.1439, 4.3532,
26.2579

178.6321,
143.3875, 297.6916

 4.8930, 1.8730,
16.7892

218.7434,
178.8511, 356.2147

 2.2187, 0.5321,
9.9239

264.4503,

 0.7526, 0.0000,

219.7272, 421.9452

5.2436

316.1180,
266.4002, 495.3017

■ 0.0000, 0.0000,
2.3297

■ 0.0000, 0.0000,
0.7478

■ 49.2204, 33.8034,
98.5383

■ 49.2204, 33.8034,
98.5383

■ 43.7496, 26.8836,
97.4909

■ 55.7077, 42.4712,
99.8694

■ 39.2226, 21.5753,
96.7049

■ 63.2699, 53.0019,
101.5034

■ 35.5614, 17.7272,
96.1551

■ 71.9648, 65.5045,
103.4584

■ 32.6713, 15.1557,
95.8111

■ 81.8448, 80.0788,
105.7508

■ 30.7541, 13.7692,
95.6445

■ 92.9587, 96.8173,
108.3959

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.



37.6852, 33.8034, 131.1730



49.2204, 33.8034, 98.5383



56.9225, 33.8034, 55.3247

Triad

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



49.2204, 33.8034, 98.5383



38.0722, 33.8034, 3.9429



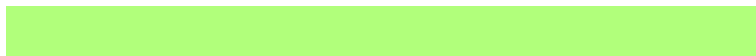
15.7814, 33.8034, 54.0316

Complementary

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



49.2204, 33.8034, 98.5383



57.4669, 82.2973, 31.5962

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.



15.8393, 33.8034, 22.9636



49.2204, 33.8034, 98.5383



27.1479, 33.8034, 3.8832

Square

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



49.2204, 33.8034, 98.5383



49.5585, 33.8034, 8.6888



19.5379, 33.8034, 8.4140



19.3562, 33.8034, 97.1431

Rectangle

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



49.2204, 33.8034, 98.5383



57.9505, 33.8034, 32.2748



19.5379, 33.8034, 8.4140



15.4077, 33.8034, 41.7429

Sweetspot

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



49.2216, 33.8047, 98.5384



77.5112, 73.6452, 104.7374



42.1397, 43.2728, 100.7392



16.1568, 15.1236, 22.3175



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.



49.2216, 33.8047, 98.5384



43.6319, 26.7399, 97.4694



64.6526, 41.9584, 90.2794



18.0321, 17.9083, 22.7562



16.2433, 7.2842, 49.9845



1.7056, 0.7732, 4.8726

Inverse Universe

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



56.2592, 38.6011, 46.0807



51.9893, 32.3845, 37.4955



48.2322, 77.4525, 34.9631



18.3174, 18.1103, 20.2886



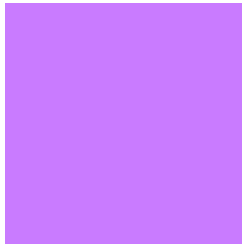
22.9324, 11.6623, 8.2946



2.2855, 1.1566, 1.0847

Previews

White Background



This preview shows how the XYZ color 49.2204, 33.8034, 98.5383 looks on a white background.

Color Contrast Check

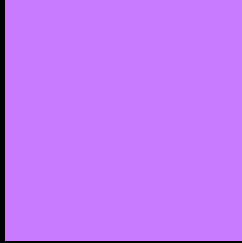
Large Text (above 18pt) WCAG AA × Fail

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 49.2204, 33.8034, 98.5383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

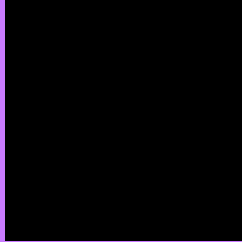
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2204, 33.8034, 98.5383

Background



This preview shows how black text looks on a background with the XYZ color 49.2204, 33.8034, 98.5383.



This preview shows how white text looks on a background with the XYZ color 49.2204, 33.8034,

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

49.2204, 33.8034, 98.5383

Protanopia

36.9417, 34.1131, 99.2452

Deuteranopia

35.1846, 34.0794, 93.5305



Tritanopia

36.6129, 33.6503, 36.9132

Trichromacy



Original Color

49.2204, 33.8034, 98.5383

Protanomaly

40.0852, 33.1608, 98.8957

Deuteranomaly

38.6933, 32.9666, 95.5906

Tritanomaly

40.2000, 33.1036, 54.7229

Monochromacy



Original Color

49.2204, 33.8034, 98.5383

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

38.1885, 34.0377, 56.1869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2204, 33.8034, 98.5383 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, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 123, 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, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 123, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.2204, 33.8034, 98.5383 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, 123, 255) }
```


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

```
.border{ border-color:rgb(201, 123, 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, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 123, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 123, 255); box-shadow:4px 4px 4px 4px rgb(201, 123, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2204, 33.8034, 98.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 123, 255) }
```

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

```
.background{ background-color: rgb(201,  
123, 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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