

# Converting Colors

XYZ(48.5677, 34.8027, 98.7655)

Have a look what the booklet for  
XYZ(48.5677, 34.8027, 98.7655)  
contains.

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# Color

**XYZ(48.5383, 34.7874,  
98.7641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C382FF
RGB	195, 130, 255
RGB Percent	76%, 51%, 100%
CMY	0.2353, 0.4902, 0.0000
CMYK	0.24, 0.49, 0.00, 0.00
HSL	271°, 100%, 75%
HSV	271°, 49%, 100%
XYZ	48.5383, 34.7874, 98.7641
YIQ	163.6850, -1.3850, 52.6550

# Conversions

## Conversions Part 2

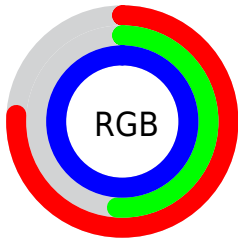
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">195, 130, 255</a>
Decimal	<a href="#">12813055</a>
CIELab	<a href="#">65.58, 48.01, -52.94</a>
CIELCh	<a href="#">66, 71.466, 312.200</a>
Yxy	<a href="#">34.7874, 0.2666, 0.1910</a>
Android (android.graphics.Color)	<a href="#">4291003135 (0xFFC382FF)</a>
YUV	<a href="#">163.6850, 45.0183, 27.4633</a>
Hunter-Lab	<a href="#">58.9808, 43.6801, -57.9952</a>

# Details

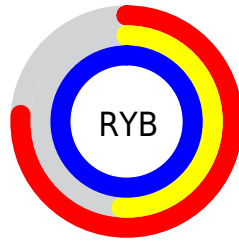
The XYZ color **48.5383, 34.7874, 98.7641** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.0249, 84.0791, 34.1329**, and the grayscale version is **34.9318, 36.7510, 40.0219**.

A 20% lighter version of the original color is **76.0635, 62.5718, 102.6763**, and **23.3987, 14.9293, 55.0745** is the 20% darker color. If you saturate the color by 10%, you get **42.5233, 27.2606, 97.6283**, and if you desaturate by 10%, it is **55.6553, 44.1311, 100.1925**.

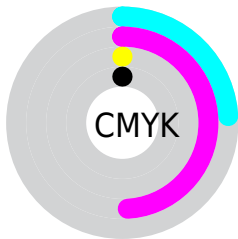
# Distribution



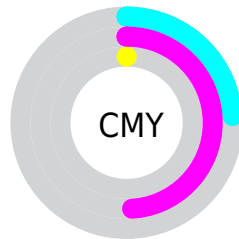
- Red (76%)
- Green (51%)
- Blue (100%)



- Red (76%)
- Yellow (51%)
- Blue (100%)



- Cyan (24%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (49%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5383, 34.7874, 98.7641 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 48.5383, 34.7874, 98.7641 by changing the saturation by 10% instead.





 48.5383, 34.7874,  
98.7641

 48.5383, 34.7874,  
98.7641


371.4690,  
323.6289, 577.4357


 34.4664, 23.4992,  
74.6577


 87.2102, 67.1563,  
161.4948

 23.4167, 14.9625,  
54.8324

 112.5409, 89.0057,  
200.9561

 15.0239, 8.7931,  
38.8699


 142.3552,  
115.1443, 246.3728

 8.9226, 4.6065,  
26.3515

177.0186,  
145.9565, 298.1634

 4.7474, 2.0183,  
16.8586

216.8963,  
181.8267, 356.7464

 2.1331, 0.6181,  
9.9729

262.3537,

 0.7071, 0.0000,

223.1392, 422.5405

5.2756

313.7562,  
270.2785, 495.9641

■ 0.0000, 0.0000,  
2.3483

■ 0.0000, 0.0000,  
0.7581

■ 48.5383, 34.7874,  
98.7641

■ 48.5383, 34.7874,  
98.7641

■ 42.5233, 27.2606,  
97.6283

■ 55.6553, 44.1311,  
100.1925

■ 37.5372, 21.4170,  
96.7632

■ 63.9334, 55.4042,  
101.9322

■ 33.5026, 17.1103,  
96.1446

■ 73.4314, 68.7149,  
104.0008

■ 30.3272, 14.1657,  
95.7436

■ 84.2027, 84.1616,  
106.4146

■ 27.8775, 12.3266, 95.0500, 100.0000,  
95.5177 108.9000

■ 27.6602, 12.1742,  
95.4997

# Harmonies

## Analogous

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



37.5101, 34.7874, 126.9691



48.5383, 34.7874, 98.7641



56.2119, 34.7874, 58.4093

# Triad

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



48.5383, 34.7874, 98.7641



39.6176, 34.7874, 5.2114



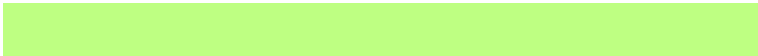
17.0155, 34.7874, 51.4352

# Complementary

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



48.5383, 34.7874, 98.7641



61.0249, 84.0791, 34.1329

# 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.



17.3449, 34.7874, 22.8280



48.5383, 34.7874, 98.7641



28.9846, 34.7874, 4.8320

# Square

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



48.5383, 34.7874, 98.7641



50.3593, 34.7874, 10.8262



21.2876, 34.7874, 9.1862



20.2661, 34.7874, 91.3997



# Rectangle

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



48.5383, 34.7874, 98.7641



57.5763, 34.7874, 35.7041



21.2876, 34.7874, 9.1862



16.7342, 34.7874, 40.1375

# Sweetspot

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



48.5395, 34.7887, 98.7643



77.6035, 74.6596, 104.9283



45.7607, 48.9746, 101.6489



16.1363, 15.3034, 22.3533



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.



48.5395, 34.7887, 98.7643



42.5333, 27.2727, 97.6301



66.9395, 44.3128, 97.8841



17.9042, 17.8424, 22.7502



14.6266, 6.4508, 49.9088



1.5503, 0.6931, 4.8654



# Inverse Universe

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



58.5175, 40.9440, 53.5344



54.1582, 34.4367, 45.2646



49.1373, 77.9344, 34.3140



18.3725, 18.1323, 20.5789



23.4717, 11.8780, 11.1346

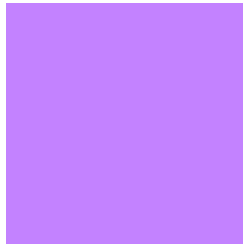


2.3402, 1.1785, 1.3729



# Previews

## White Background



This preview shows how the XYZ color 48.5383, 34.7874, 98.7641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

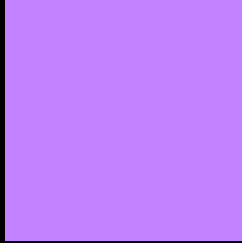
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.5383, 34.7874, 98.7641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

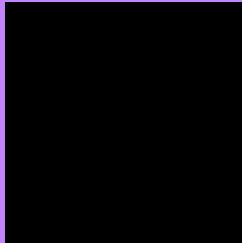
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.5383, 34.7874, 98.7641**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.5383, 34.7874, 98.7641.



This preview shows how white text looks on a background with the XYZ color 48.5383, 34.7874,



# 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

48.5383, 34.7874, 98.7641

### Protanopia

37.6842, 34.9900, 99.3753

### Deuteranopia

36.1791, 35.0806, 94.4869



## Tritanopia

36.5195, 34.7205, 39.8989

# Trichromacy



## Original Color

48.5383, 34.7874, 98.7641



## Protanomaly

40.5163, 34.2905, 99.0910



## Deuteranomaly

39.1578, 33.8956, 95.7455



## Tritanomaly

40.0589, 34.2920, 57.3310

# Monochromacy



## Original Color

48.5383, 34.7874, 98.7641



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

38.9855, 35.6017, 57.6404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.5383, 34.7874, 98.7641 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(195, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 130, 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(195, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 130, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 48.5383, 34.7874, 98.7641 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(195, 130, 255) }
```



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

```
.border{ border-color:rgb(195, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 130,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.5383, 34.7874, 98.7641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 130, 255) }
```

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

```
.background{ background-color: rgb(195,  
130, 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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