

# Converting Colors

XYZ(50.4296, 34.6778, 84.4001)

Have a look what the booklet for  
XYZ(50.4296, 34.6778, 84.4001)  
contains.

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# Color

**XYZ(50.3934, 34.7274,  
84.1678)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D77BED
RGB	215, 123, 237
RGB Percent	84%, 48%, 93%
CMY	0.1569, 0.5176, 0.0706
CMYK	0.09, 0.48, 0.00, 0.07
HSL	288°, 76%, 71%
HSV	288°, 48%, 93%
XYZ	50.3934, 34.7274, 84.1678
YIQ	163.5040, 18.2380, 54.9580

# Conversions

## Conversions Part 2

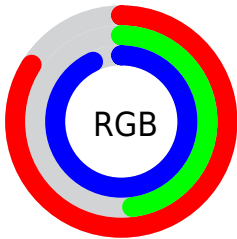
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">215, 123, 237</a>
Decimal	<a href="#">14121965</a>
CIELab	<a href="#">65.54, 53.24, -42.97</a>
CIELCh	<a href="#">66, 68.415, 321.089</a>
Yxy	<a href="#">34.7274, 0.2977, 0.2051</a>
Android (android.graphics.Color)	<a href="#">4292312045 (0xFFD77BED)</a>
YUV	<a href="#">163.5040, 36.2335, 45.1620</a>
Hunter-Lab	<a href="#">58.9300, 49.5152, -43.4311</a>

# Details

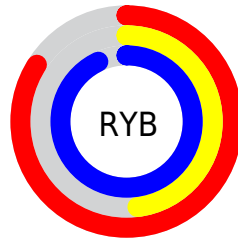
The XYZ color **50.3934, 34.7274, 84.1678** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **45.5374, 68.0190, 29.4692**, and the grayscale version is **34.8800, 36.6965, 39.9625**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **24.6312, 14.9856, 45.3104** is the 20% darker color. If you saturate the color by 10%, you get **46.4775, 28.8606, 83.2423**, and if you desaturate by 10%, it is **55.0609, 42.0396, 85.3337**.

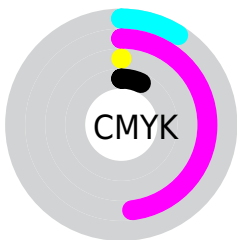
# Distribution



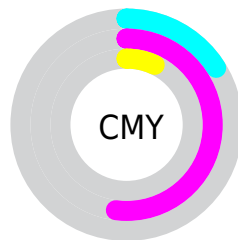
- Red (84%)
- Green (48%)
- Blue (93%)



- Red (84%)
- Yellow (48%)
- Blue (93%)



- Cyan (9%)
- Magenta (48%)
- Yellow (0%)
- Black (7%)




- Cyan (16%)
- Magenta (52%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3934, 34.7274, 84.1678 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 50.3934, 34.7274, 84.1678 by changing the saturation by 10% instead.





 50.3934, 34.7274,  
84.1678

 50.3934, 34.7274,  
84.1678

378.6290,  
323.3635, 528.9429


 35.9452, 23.4530,  
62.6078


 89.9458, 67.0633,  
141.0737

 24.5618, 14.9283,  
45.0850


 115.7807, 88.8935,  
177.2567

 15.8778, 8.7691,  
31.1810


 146.1419,  
115.0110, 219.1510

 9.5280, 4.5909,  
20.4771

181.3946,  
145.8004, 267.1754

 5.1470, 2.0093,  
12.5548

221.9044,  
181.6459, 321.7482

 2.3694, 0.6129,  
6.9956

268.0364,

 0.8298, 0.0000,

222.9320, 383.2880

3.3809

320.1562,  
270.0431, 452.2134

■ 0.0000, 0.0000,  
1.2923

■ 0.0000, 0.0000,  
0.0555

■ 50.3934, 34.7274,  
84.1678

■ 50.3934, 34.7274,  
84.1678

■ 46.4775, 28.8606,  
83.2423

■ 55.0609, 42.0396,  
85.3337

■ 43.2568, 24.3301,  
82.5376

■ 60.5236, 50.8870,  
86.7535

■ 40.6731, 21.0185,  
82.0346

■ 66.8260, 61.3571,  
88.4423

■ 38.6559, 18.7856,  
81.7099

■ 74.0080, 73.5296,  
90.4133

37.1074, 17.4363,  
81.5311

82.1073, 87.4789,  
92.6789

36.8388, 17.2253,  
81.5045

87.8165, 96.5903,  
94.1367

89.4099, 97.4117,  
94.2112

91.0429, 98.2535,  
94.2877

92.2862, 98.8945,  
94.3458

# Harmonies

## Analogous

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



40.4404, 34.7274, 116.2494



50.3934, 34.7274, 84.1678



55.9482, 34.7274, 47.0247

# Triad

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



50.3934, 34.7274, 84.1678



36.0843, 34.7274, 5.2924



18.0909, 34.7274, 61.3576

# Complementary

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



50.3934, 34.7274, 84.1678



45.5374, 68.0190, 29.4692

# 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.



17.3913, 34.7274, 29.8891



50.3934, 34.7274, 84.1678



26.5459, 34.7274, 6.1523

# Square

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



50.3934, 34.7274, 84.1678



46.6559, 34.7274, 9.0691



20.1653, 34.7274, 12.6562



22.3197, 34.7274, 99.0897



# Rectangle

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



50.3934, 34.7274, 84.1678



55.7676, 34.7274, 28.1573



20.1653, 34.7274, 12.6562



17.4744, 34.7274, 49.4549

# Sweetspot

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



50.3947, 34.7289, 84.1686



82.2105, 78.0164, 105.3335



33.7038, 30.8230, 84.2944



17.2133, 16.0518, 22.4410



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.



50.3947, 34.7289, 84.1686



54.8263, 33.9993, 98.2806



52.7647, 36.4740, 60.6353



15.4134, 15.1584, 19.0357



20.2196, 9.4595, 44.5031



1.6607, 0.7804, 3.4980



# Inverse Universe

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



47.1198, 34.2161, 30.9101



50.9266, 33.5636, 26.9533



44.5566, 67.2213, 42.6160



15.1842, 15.1016, 16.2556



19.3702, 9.9508, 2.4851

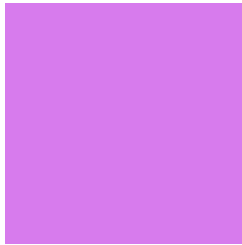


1.5539, 0.7945, 0.3682



# Previews

## White Background



This preview shows how the XYZ color 50.3934, 34.7274, 84.1678 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

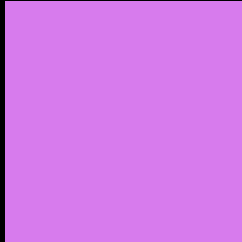
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.3934, 34.7274, 84.1678 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

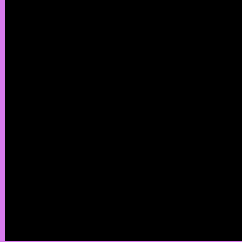
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.3934, 34.7274, 84.1678**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.3934, 34.7274, 84.1678.



This preview shows how white text looks on a background with the XYZ color 50.3934, 34.7274,



# 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

50.3934, 34.7274, 84.1678

### Protanopia

37.8236, 35.0619, 99.3818

### Deuteranopia

35.8699, 34.9922, 79.7265



## Tritanopia

40.2838, 34.6745, 35.1415

# Trichromacy



## Original Color

50.3934, 34.7274, 84.1678



## Protanomaly

40.4341, 33.6924, 93.1791



## Deuteranomaly

39.7337, 33.8154, 81.5236



## Tritanomaly

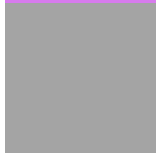
43.1880, 34.3344, 49.6983

# Monochromacy



## Original Color

50.3934, 34.7274, 84.1678



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

39.6799, 35.3238, 54.0170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.3934, 34.7274, 84.1678 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(215, 123, 237)` looks like.

```
.text, #text, p{  
    color:rgb(215, 123, 237)  
}
```

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(215, 123, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 123, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 50.3934, 34.7274, 84.1678 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(215, 123, 237) }
```



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

```
.border{ border-color:rgb(215, 123, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 123, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 123, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 123, 237);  
box-shadow:4px 4px 4px 4px rgb(215, 123,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.3934, 34.7274, 84.1678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 123, 237) }
```

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

```
.background{ background-color: rgb(215,  
123, 237) }
```

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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