

# Converting Colors

XYZ(35.1767, 25.4217, 55.2774)

Have a look what the booklet for  
XYZ(35.1767, 25.4217, 55.2774)  
contains.

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# Color

**XYZ(35.1767, 25.4217,  
55.2774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B76FC4
RGB	183, 111, 196
RGB Percent	72%, 44%, 77%
CMY	0.2823, 0.5647, 0.2314
CMYK	0.07, 0.43, 0.00, 0.23
HSL	291°, 42%, 60%
HSV	291°, 43%, 77%
XYZ	35.1767, 25.4217, 55.2774
YIQ	142.2180, 15.6270, 41.6990

# Conversions

## Conversions Part 2

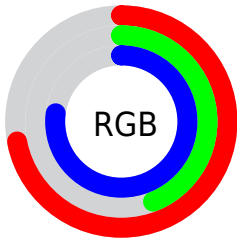
Format	Color
R <sub>Y</sub> B	183, 111, 196
Decimal	12021700
CIE Lab	57.48, 42.24, -32.85
CIE LCh	57, 53.514, 322.128
Yxy	25.4217, 0.3036, 0.2194
Android (android.graphics.Color)	4290211780 (0xFFB76FC4)
YUV	142.2180, 26.5145, 35.7658
Hunter-Lab	50.4199, 36.3000, -29.7081

# Details

The XYZ color **35.1767, 25.4217, 55.2774** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.9222, 44.9132, 22.0795**, and the grayscale version is **25.6922, 27.0302, 29.4359**.

A 20% lighter version of the original color is **66.9403, 52.1680, 99.4698**, and **15.4004, 9.7739, 26.6660** is the 20% darker color. If you saturate the color by 10%, you get **32.5629, 21.2408, 54.6085**, and if you desaturate by 10%, it is **38.2766, 30.5510, 56.1045**.

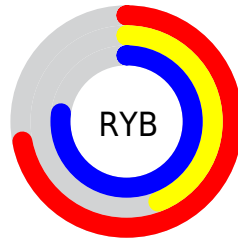
# Distribution



Red (72%)

Green (44%)

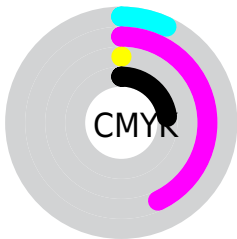
Blue (77%)



Red (72%)

Yellow (44%)

Blue (77%)

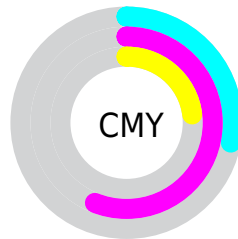


Cyan (7%)

Magenta (43%)

Yellow (0%)

Black (23%)



Cyan (28%)

Magenta (56%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1767, 25.4217, 55.2774 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 35.1767, 25.4217, 55.2774 by changing the saturation by 10% instead.




 35.1767, 25.4217,  
55.2774

 35.1767, 25.4217,  
55.2774


316.8420,  
279.9316, 424.2741

 23.9662, 16.3915,  
39.2238


 67.0916, 52.3405,  
99.4225


 15.4331, 9.8016,  
26.6247


 88.5268, 70.9979,  
128.3510

 9.2122, 5.2676,  
17.0616


 114.1008, 93.6332,  
162.4083

 4.9381, 2.4051,  
10.1160

 144.1791,  
120.6308, 202.0128

 2.2454, 0.8285,  
5.3693

179.1270,  
152.3750, 247.5831

 0.7665, 0.0000,  
2.4030

219.3099,

 0.0000, 0.0000,

189.2503, 299.5377

0.7881

265.0931,  
231.6410, 358.2952

■ 0.0000, 0.0000,  
0.0000

■ 35.1767, 25.4217,  
55.2774

■ 35.1767, 25.4217,  
55.2774

■ 32.5629, 21.2408,  
54.6085

■ 38.2766, 30.5510,  
56.1045

■ 30.4015, 17.9428,  
54.0859

■ 41.8883, 36.6819,  
57.0975

■ 28.6585, 15.4595,  
53.6984

■ 46.0387, 43.8674,  
58.2657

■ 27.2939, 13.7106,  
53.4328

■ 50.7521, 52.1560,  
59.6171

■ 26.2592, 12.5998,  
53.2729

■ 56.0513, 61.5930,  
61.1593

■ 25.6950, 12.0953,  
53.2053

■ 61.9577, 72.2212,  
62.8995

■ 68.4918, 84.0814,  
64.8443

■ 71.4510, 88.7684,  
65.5931

■ 72.2964, 89.2042,  
65.6326

# Harmonies

## Analogous

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



29.0755, 25.4217, 74.5409



35.1767, 25.4217, 55.2774



38.4376, 25.4217, 32.7668

# Triad

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



35.1767, 25.4217, 55.2774



25.8790, 25.4217, 5.4456



14.5007, 25.4217, 43.1051

# Complementary

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



35.1767, 25.4217, 55.2774



30.9222, 44.9132, 22.0795

# 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.



13.9482, 25.4217, 23.1488



35.1767, 25.4217, 55.2774



19.8368, 25.4217, 6.2438

# Square

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



35.1767, 25.4217, 55.2774



32.4876, 25.4217, 8.1983



15.7271, 25.4217, 11.2486



17.3971, 25.4217, 65.6242



# Rectangle

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



35.1767, 25.4217, 55.2774



38.2227, 25.4217, 20.9454



15.7271, 25.4217, 11.2486



14.0580, 25.4217, 35.7223

# Sweetspot

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



35.1776, 25.4228, 55.2779



83.5308, 79.6940, 105.5877



23.8751, 22.0757, 55.2276



17.4988, 16.3951, 22.4922



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.



35.1776, 25.4228, 55.2779



59.2275, 38.8522, 98.9853



35.4870, 25.9204, 40.0168



10.3411, 10.1670, 12.7022



16.5687, 7.8019, 34.1893



0.7577, 0.3587, 1.4792



# Inverse Universe

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



32.0883, 24.5609, 22.1193



53.1824, 37.2510, 30.2465



30.9809, 44.7338, 31.5567



10.1346, 10.1024, 10.7993



14.7984, 7.6091, 1.5843

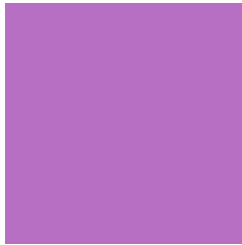


0.6598, 0.3369, 0.1758



# Previews

## White Background



This preview shows how the XYZ color 35.1767, 25.4217, 55.2774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

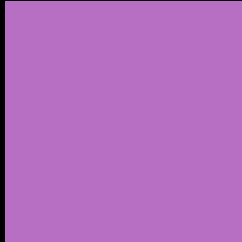
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.1767, 25.4217, 55.2774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

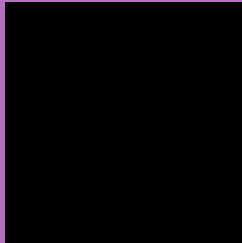
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.1767, 25.4217, 55.2774**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1767, 25.4217, 55.2774.



This preview shows how white text looks on a background with the XYZ color 35.1767, 25.4217,



# 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

35.1767, 25.4217, 55.2774

### Protanopia

27.6352, 25.8693, 69.1824

### Deuteranopia

26.2348, 25.7179, 52.8715



## Tritanopia

29.0923, 25.3871, 25.9211

# Trichromacy



## Original Color

35.1767, 25.4217, 55.2774



## Protanomaly

29.2513, 25.0164, 63.6085



## Deuteranomaly

28.8464, 25.2179, 53.7992



## Tritanomaly

30.9337, 25.2144, 35.1348

# Monochromacy



## Original Color

35.1767, 25.4217, 55.2774



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

28.5425, 26.0093, 37.6984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1767, 25.4217, 55.2774 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(183, 111, 196)` looks like.

```
.text, #text, p{  
    color:rgb(183, 111, 196)  
}
```

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(183, 111, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 111, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1767, 25.4217, 55.2774 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(183, 111, 196) }
```



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

```
.border{ border-color:rgb(183, 111, 196) }
```

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

Here you see how a box with a 4 pixel rgb(183, 111, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 111, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 111, 196);  
box-shadow:4px 4px 4px 4px rgb(183, 111,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1767, 25.4217, 55.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 111, 196) }
```

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

```
.background{ background-color: rgb(183,  
111, 196) }
```

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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