

# Converting Colors

XYZ(51.5098, 34.4082, 47.8222)

Have a look what the booklet for  
XYZ(51.5098, 34.4082, 47.8222)  
contains.

<b>XYZ(51.5538, 34.3795, 47.6348)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.5538, 34.3795,  
47.6348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F471B5
RGB	244, 113, 181
RGB Percent	96%, 44%, 71%
CMY	0.0431, 0.5568, 0.2902
CMYK	0.00, 0.54, 0.26, 0.04
HSL	329°, 86%, 70%
HSV	329°, 54%, 96%
XYZ	51.5538, 34.3795, 47.6348
YIQ	159.9210, 56.2480, 48.9200

# Conversions

## Conversions Part 2

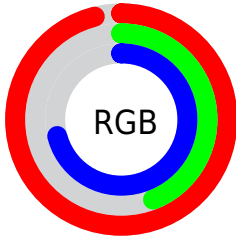
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 113, 181
Decimal	16019893
CIE <sub>Lab</sub>	65.26, 57.50, -11.72
CIE <sub>LCh</sub>	65, 58.678, 348.479
Yxy	34.3795, 0.3860, 0.2574
Android (android.graphics.Color)	4294209973 (0xFFFF471B5)
YUV	159.9210, 10.3919, 73.7373
Hunter-Lab	58.6340, 54.3360, -7.1239

# Details

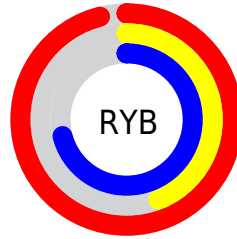
The XYZ color **51.5538, 34.3795, 47.6348** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.9989, 71.3476, 52.3721**, and the grayscale version is **33.3139, 35.0488, 38.1681**.

A 20% lighter version of the original color is **70.7140, 55.7504, 87.1546**, and **25.3670, 14.7991, 21.9416** is the 20% darker color. If you saturate the color by 10%, you get **48.0345, 29.1872, 40.7691**, and if you desaturate by 10%, it is **55.9081, 41.0789, 55.2799**.

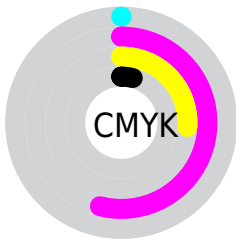
# Distribution



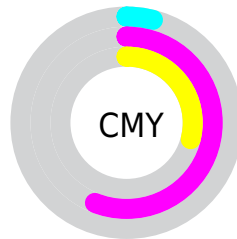
- Red (96%)
- Green (44%)
- Blue (71%)



- Red (96%)
- Yellow (44%)
- Blue (71%)



- Cyan (0%)
- Magenta (54%)
- Yellow (26%)
- Black (4%)




- Cyan (4%)
- Magenta (56%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5538, 34.3795, 47.6348 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 51.5538, 34.3795, 47.6348 by changing the saturation by 10% instead.





 51.5538, 34.3795,  
47.6348


 51.5538, 34.3795,  
47.6348

383.0639,  
321.8209, 393.8096


 36.8724, 23.1853,  
33.1798


 91.6510, 66.5234,  
88.0203

 25.2819, 14.7304,  
21.9920


 117.7975, 88.2419,  
114.7879

 16.4171, 8.6304,  
13.6528


 148.4963,  
114.2372, 146.4968

 9.9125, 4.5009,  
7.7436

184.1129,  
144.8938, 183.5655

 5.4028, 1.9575,  
3.8459

225.0126,  
180.5961, 226.4126

 2.5226, 0.5826,  
1.5412

271.5608,

 0.9067, 0.0000,

221.7285, 275.4567

0.2483

324.1228,  
268.6753, 331.1161

■ 0.0000, 0.0000,  
0.0000

■ 51.5538, 34.3795,  
47.6348

■ 51.5538, 34.3795,  
47.6348

■ 48.0345, 29.1872,  
40.7691

■ 55.9081, 41.0789,  
55.2799

■ 45.2847, 25.3758,  
34.6477

■ 61.1503, 49.3882,  
63.7330

■ 43.2331, 22.8067,  
29.2345

■ 67.3322, 59.4068,  
73.0229

■ 41.7923, 21.3093,  
24.4870

■ 74.5004, 71.2249,  
83.1765

■ 41.1164, 20.7564,  
21.7990

■ 82.6987, 84.9259,  
94.2190

90.5457, 97.7441,  
105.7003

91.1183, 97.9731,  
108.7160

# Harmonies

## Analogous

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



46.5788, 34.3795, 78.0673



51.5538, 34.3795, 47.6348



50.8579, 34.3795, 24.4177

# Triad

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



51.5538, 34.3795, 47.6348



27.7431, 34.3795, 8.1989



22.9546, 34.3795, 84.8423

# Complementary

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



51.5538, 34.3795, 47.6348



46.9989, 71.3476, 52.3721

# 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.



19.4449, 34.3795, 54.4067



51.5538, 34.3795, 47.6348



21.8589, 34.3795, 14.1107

# Square

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



51.5538, 34.3795, 47.6348



36.0677, 34.3795, 7.6737



19.0822, 34.3795, 28.8036



29.5052, 34.3795, 105.0159



# Rectangle

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



51.5538, 34.3795, 47.6348



47.2922, 34.3795, 15.1326



19.0822, 34.3795, 28.8036



21.4330, 34.3795, 74.9863

# Sweetspot

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



51.5548, 34.3812, 47.6355



80.3873, 75.4745, 89.2149



39.7213, 27.3580, 88.7753



16.8483, 15.5633, 18.5931



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.



51.5548, 34.3812, 47.6355



52.9370, 32.0345, 44.7331



46.4471, 32.3381, 20.7389



16.8583, 16.6262, 19.0006



22.4263, 11.3140, 12.2192



2.0230, 1.0152, 1.3475



# Inverse Universe

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



51.5548, 34.3812, 47.6355



52.9370, 32.0345, 44.7331



54.8356, 74.4823, 93.6396



16.8583, 16.6262, 19.0006



22.4263, 11.3140, 12.2192



2.0230, 1.0152, 1.3475



# Previews

## White Background



This preview shows how the XYZ color 51.5538, 34.3795, 47.6348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

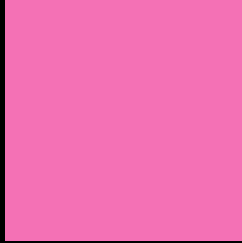
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5538, 34.3795, 47.6348 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

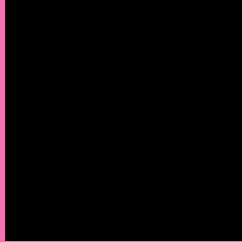
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.5538, 34.3795, 47.6348**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5538, 34.3795, 47.6348.



This preview shows how white text looks on a background with the XYZ color 51.5538, 34.3795,



# 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

51.5538, 34.3795, 47.6348

### Protanopia

35.3164, 34.7464, 66.4734

### Deuteranopia

35.1319, 34.3827, 44.8293



## Tritanopia

47.1830, 34.3571, 25.9746

# Trichromacy



## Original Color

51.5538, 34.3795, 47.6348



## Protanomaly

38.7726, 32.9232, 58.9549



## Deuteranomaly

39.6741, 33.2417, 45.9202



## Tritanomaly

48.3775, 34.0964, 32.8857

# Monochromacy



## Original Color

51.5538, 34.3795, 47.6348



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

38.3762, 33.5484, 41.4986

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5538, 34.3795, 47.6348 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(244, 113, 181)` looks like.

```
.text, #text, p{  
    color:rgb(244, 113, 181)  
}
```

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(244, 113, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 113, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5538, 34.3795, 47.6348 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(244, 113, 181) }
```



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

```
.border{ border-color:rgb(244, 113, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 113, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 113, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 113, 181);  
box-shadow:4px 4px 4px 4px rgb(244, 113,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5538, 34.3795, 47.6348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 113, 181) }
```

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

```
.background{ background-color: rgb(244,  
113, 181) }
```

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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