

# Converting Colors

XYZ(50.9769, 34.4829, 47.5390)

Have a look what the booklet for  
XYZ(50.9769, 34.4829, 47.5390)  
contains.

<b>XYZ(51.0892, 34.4749, 47.6777)</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(51.0892, 34.4749,  
47.6777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F273B5
RGB	242, 115, 181
RGB Percent	95%, 45%, 71%
CMY	0.0510, 0.5490, 0.2902
CMYK	0.00, 0.52, 0.25, 0.05
HSL	329°, 83%, 70%
HSV	329°, 52%, 95%
XYZ	51.0892, 34.4749, 47.6777
YIQ	160.4970, 54.5060, 47.4500

# Conversions

## Conversions Part 2

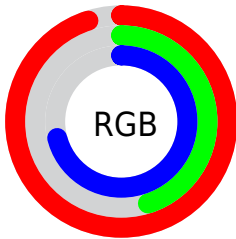
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 115, 181
Decimal	15889333
CIE Lab	65.34, 55.94, -11.64
CIE LCh	65, 57.141, 348.250
Yxy	34.4749, 0.3834, 0.2587
Android (android.graphics.Color)	4294079413 (0xFFFF273B5)
YUV	160.4970, 10.1080, 71.4781
Hunter-Lab	58.7153, 52.5640, -7.0436

# Details

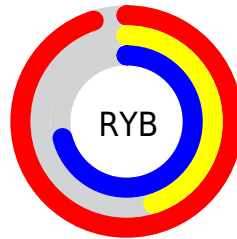
The XYZ color **51.0892, 34.4749, 47.6777** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.6606, 70.2847, 52.1848**, and the grayscale version is **33.5813, 35.3301, 38.4745**.

A 20% lighter version of the original color is **71.0890, 56.5002, 87.2796**, and **24.9887, 14.7537, 21.9528** is the 20% darker color. If you saturate the color by 10%, you get **47.5396, 29.2053, 40.8533**, and if you desaturate by 10%, it is **55.4646, 41.2361, 55.2690**.

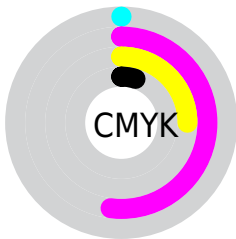
# Distribution



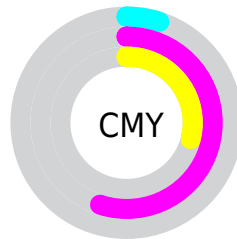
- Red (95%)
- Green (45%)
- Blue (71%)



- Red (95%)
- Yellow (45%)
- Blue (71%)



- Cyan (0%)
- Magenta (52%)
- Yellow (25%)
- Black (5%)




- Cyan (5%)
- Magenta (55%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0892, 34.4749, 47.6777 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 51.0892, 34.4749, 47.6777 by changing the saturation by 10% instead.





 51.0892, 34.4749,  
47.6777


 51.0892, 34.4749,  
47.6777

381.2922,  
322.2445, 393.9850


 36.5009, 23.2587,  
33.2135


 90.9688, 66.6715,  
88.0849

 24.9932, 14.7846,  
22.0176


 116.9909, 88.4207,  
114.8650

 16.2007, 8.6684,  
13.6714


 147.5549,  
114.4496, 146.5875

 9.7580, 4.5255,  
7.7564

183.0263,  
145.1427, 183.6710

 5.2999, 1.9717,  
3.8539

223.7703,  
180.8843, 226.5339

 2.4608, 0.5909,  
1.5455

270.1524,

 0.8755, 0.0000,

222.0589, 275.5948

0.2515

322.5379,  
269.0508, 331.2724

■ 0.0000, 0.0000,  
0.0000

■ 51.0892, 34.4749,  
47.6777

■ 51.0892, 34.4749,  
47.6777

■ 47.5396, 29.2053,  
40.8533

■ 55.4646, 41.2361,  
55.2690

■ 44.7522, 25.3052,  
34.7618

■ 60.7167, 49.5881,  
63.6549

■ 42.6589, 22.6416,  
29.3683

■ 66.8958, 59.6274,  
72.8634

■ 41.1761, 21.0520,  
24.6322

■ 74.0473, 71.4415,  
82.9204

■ 40.3685, 20.3775,  
21.4627

■ 82.2136, 85.1116,  
93.8507

89.7507, 97.3464,  
105.1163

90.4281, 97.6173,  
108.6837

# Harmonies

## Analogous

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



46.2327, 34.4749, 77.1299



51.0892, 34.4749, 47.6777



50.4595, 34.4749, 24.9233

# Triad

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



51.0892, 34.4749, 47.6777



28.0017, 34.4749, 8.6483



23.2149, 34.4749, 83.2305

# Complementary

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



51.0892, 34.4749, 47.6777



46.6606, 70.2847, 52.1848

# 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.



19.7854, 34.4749, 53.8185



51.0892, 34.4749, 47.6777



22.2089, 34.4749, 14.5239

# Square

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



51.0892, 34.4749, 47.6777



36.1394, 34.4749, 8.1520



19.4514, 34.4749, 28.9474



29.6119, 34.4749, 102.7637



# Rectangle

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



51.0892, 34.4749, 47.6777



47.0283, 34.4749, 15.6936



19.4514, 34.4749, 28.9474



21.7272, 34.4749, 73.7126

# Sweetspot

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



51.0902, 34.4766, 47.6784



80.3908, 75.4759, 89.2335



39.6745, 27.7037, 87.2611



16.8492, 15.5636, 18.5975



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.



51.0902, 34.4766, 47.6784



53.2931, 32.5355, 45.5032



46.0939, 32.4781, 21.3679



16.1158, 15.8960, 18.1663



21.7557, 10.9747, 11.8961



1.8602, 0.9331, 1.2544



# Inverse Universe

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



51.0902, 34.4766, 47.6784



53.2931, 32.5355, 45.5032



54.2219, 73.3093, 92.0022



16.1158, 15.8960, 18.1663



21.7557, 10.9747, 11.8961



1.8602, 0.9331, 1.2544



# Previews

## White Background



This preview shows how the XYZ color 51.0892, 34.4749, 47.6777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

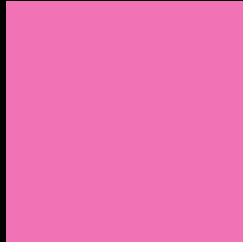
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0892, 34.4749, 47.6777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

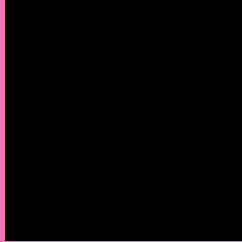
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.0892, 34.4749, 47.6777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0892, 34.4749, 47.6777.



This preview shows how white text looks on a background with the XYZ color 51.0892, 34.4749,



# 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

51.0892, 34.4749, 47.6777

### Protanopia

35.3669, 34.7868, 65.8233

### Deuteranopia

35.3956, 34.7533, 45.4000



## Tritanopia

46.8966, 34.5656, 26.7544

# Trichromacy



## Original Color

51.0892, 34.4749, 47.6777



## Protanomaly

38.8042, 33.1728, 58.3906



## Deuteranomaly

39.5620, 33.3998, 45.9566



## Tritanomaly

48.0199, 34.2598, 33.3600

# Monochromacy



## Original Color

51.0892, 34.4749, 47.6777



## Achromatopsia

33.8758, 35.6400, 38.8120



## Achromatomaly

38.2763, 33.7208, 41.5372

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0892, 34.4749, 47.6777 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(242, 115, 181)` looks like.

```
.text, #text, p{  
    color:rgb(242, 115, 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(242, 115, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 115, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0892, 34.4749, 47.6777 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(242, 115, 181) }
```



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

```
.border{ border-color:rgb(242, 115, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 115, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 115, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 115, 181);  
box-shadow:4px 4px 4px 4px rgb(242, 115,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0892, 34.4749, 47.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 115, 181) }
```

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

```
.background{ background-color: rgb(242,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor