

# Converting Colors

XYZ(50.4600, 28.3778, 54.1651)

Have a look what the booklet for  
XYZ(50.4600, 28.3778, 54.1651)  
contains.

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# Color

**XYZ(50.5906, 28.4794,  
54.4604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F749C3
RGB	247, 73, 195
RGB Percent	97%, 29%, 76%
CMY	0.0314, 0.7137, 0.2353
CMYK	0.00, 0.70, 0.21, 0.03
HSL	318°, 92%, 63%
HSV	318°, 70%, 97%
XYZ	50.5906, 28.4794, 54.4604
YIQ	138.9340, 64.5420, 74.8300

# Conversions

## Conversions Part 2

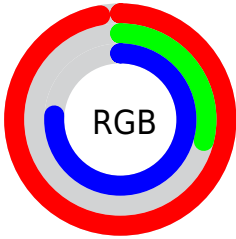
Format	Color
R <sub>Y</sub> B	247, 73, 195
Decimal	16206275
CIE Lab	60.32, 76.25, -27.17
CIE LCh	60, 80.945, 340.385
Yxy	28.4794, 0.3789, 0.2133
Android (android.graphics.Color)	4294396355 (0xFFFF749C3)
YUV	138.9340, 27.6405, 94.7739
Hunter-Lab	53.3661, 75.8258, -23.1495

# Details

The XYZ color **50.5906, 28.4794, 54.4604** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed magenta. A complement of this color would be **39.7117, 69.4196, 30.7118**, and the grayscale version is **24.3967, 25.6673, 27.9516**.

A 20% lighter version of the original color is **67.4747, 45.6162, 97.3440**, and **25.0574, 12.3622, 26.2648** is the 20% darker color. If you saturate the color by 10%, you get **48.4636, 25.5280, 49.7347**, and if you desaturate by 10%, it is **53.4046, 32.7379, 59.6192**.

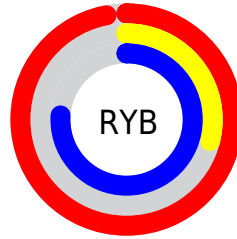
# Distribution



Red (97%)

Green (29%)

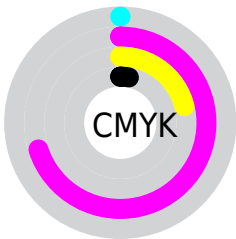
Blue (76%)



Red (97%)

Yellow (29%)

Blue (76%)

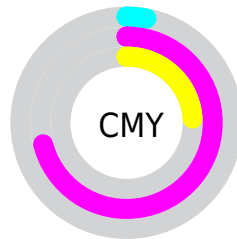


Cyan (0%)

Magenta (70%)

Yellow (21%)

Black (3%)



Cyan (3%)

Magenta (71%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5906, 28.4794, 54.4604 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 50.5906, 28.4794, 54.4604 by changing the saturation by 10% instead.





 50.5906, 28.4794,  
54.4604


 50.5906, 28.4794,  
54.4604

379.3850,  
294.7506, 421.0874


 36.1026, 18.6874,  
38.5742


 90.2359, 57.2489,  
98.2131


 24.6839, 11.4446,  
26.1234


 116.1240, 76.9952,  
126.9167

 15.9692, 6.3667,  
16.6894


 146.5427,  
100.8283, 160.7298

 9.5931, 3.0693,  
9.8536

 181.8576,  
129.1327, 200.0710

 5.1902, 1.1680,  
5.1977

222.4339,  
162.2927, 245.3588

 2.3952, 0.0354,  
2.3030

268.6370,

 0.8427, 0.0000,

200.6928, 297.0118

0.7329

320.8322,  
244.7173, 355.4485

■ 0.0000, 0.0000,  
0.0000

■ 50.5906, 28.4794,  
54.4604

■ 50.5906, 28.4794,  
54.4604

■ 48.4636, 25.5280,  
49.7347

■ 53.4046, 32.7379,  
59.6192

■ 46.9389, 23.7165,  
45.4102

■ 56.9715, 38.4358,  
65.2352

■ 45.9182, 22.7983,  
41.6069

■ 61.3523, 45.6935,  
71.3318

■ 66.6008, 54.6178,  
77.9295

■ 72.7660, 65.3060,  
85.0476

79.8933, 77.8478,  
92.7036

88.0249, 92.3269,  
100.9142

92.0164, 98.4536,  
107.9673

92.1679, 98.5142,  
108.7651

# Harmonies

## Analogous

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



42.1890, 28.4794, 98.2137



50.5906, 28.4794, 54.4604



51.8639, 28.4794, 21.7953

# Triad

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



50.5906, 28.4794, 54.4604



23.6244, 28.4794, 1.9100



14.5230, 28.4794, 84.8283

# Complementary

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



50.5906, 28.4794, 54.4604



39.7117, 69.4196, 30.7118

# 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.



11.7876, 28.4794, 42.5108



50.5906, 28.4794, 54.4604



16.0767, 28.4794, 4.6541

# Square

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



50.5906, 28.4794, 54.4604



34.3461, 28.4794, 2.3064



12.2723, 28.4794, 15.4924



20.8998, 28.4794, 122.1830



# Rectangle

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



50.5906, 28.4794, 54.4604



48.2237, 28.4794, 10.1361



12.2723, 28.4794, 15.4924



13.2316, 28.4794, 69.8947

# Sweetspot

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



50.5915, 28.4809, 54.4609



77.8110, 69.4751, 90.9669



27.2415, 15.6420, 89.5794



16.2442, 14.1554, 19.0074



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.



50.5915, 28.4809, 54.4609



51.2595, 26.3896, 51.2337



43.5943, 25.6820, 17.6143



16.9903, 16.6790, 19.6955



24.3501, 12.0835, 22.3500



2.1853, 1.0801, 2.2022



# Inverse Universe

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



50.5915, 28.4809, 54.4609



51.2595, 26.3896, 51.2337



47.5555, 72.5571, 72.0167



16.9903, 16.6790, 19.6955



24.3501, 12.0835, 22.3500



2.1853, 1.0801, 2.2022



# Previews

## White Background



This preview shows how the XYZ color 50.5906, 28.4794, 54.4604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

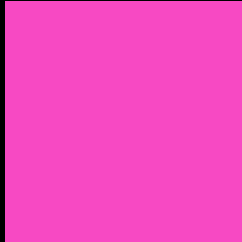
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5906, 28.4794, 54.4604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

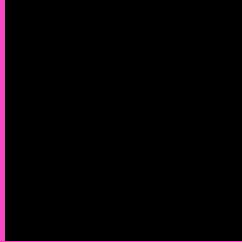
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 50.5906, 28.4794, 54.4604

## Background



This preview shows how black text looks on a background with the XYZ color 50.5906, 28.4794, 54.4604.



This preview shows how white text looks on a background with the XYZ color 50.5906, 28.4794,



# 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

50.5906, 28.4794, 54.4604

### Protanopia

32.0739, 28.9008, 94.3304

### Deuteranopia

29.2269, 28.6367, 49.8859



## Tritanopia

42.6600, 28.3150, 16.8526

# Trichromacy



## Original Color

50.5906, 28.4794, 54.4604



## Protanomaly

33.7811, 25.2081, 77.9481



## Deuteranomaly

34.0238, 26.0960, 51.3879



## Tritanomaly

44.8616, 28.0246, 27.0896

# Monochromacy



## Original Color

50.5906, 28.4794, 54.4604



## Achromatopsia

24.5403, 25.8183, 28.1161



## Achromatomaly

30.7488, 24.2296, 35.8570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5906, 28.4794, 54.4604 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(247, 73, 195)` looks like.

```
.text, #text, p{  
    color:rgb(247, 73, 195)  
}
```

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(247, 73, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 73, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5906, 28.4794, 54.4604 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(247, 73, 195) }
```



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

```
.border{ border-color:rgb(247, 73, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 73, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 73, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 73, 195);  
box-shadow:4px 4px 4px 4px rgb(247, 73,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5906, 28.4794, 54.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 73, 195) }
```

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

```
.background{ background-color: rgb(247, 73,  
195) }
```

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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