

# Converting Colors

XYZ(50.0029, 34.4523, 30.6490)

Have a look what the booklet for  
XYZ(50.0029, 34.4523, 30.6490)  
contains.

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# Color

**XYZ(50.0676, 34.4916,  
30.8067)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F87491
RGB	248, 116, 145
RGB Percent	97%, 45%, 57%
CMY	0.0275, 0.5451, 0.4314
CMYK	0.00, 0.53, 0.42, 0.03
HSL	347°, 90%, 71%
HSV	347°, 53%, 97%
XYZ	50.0676, 34.4916, 30.8067
YIQ	158.7740, 69.3630, 37.0030

# Conversions

## Conversions Part 2

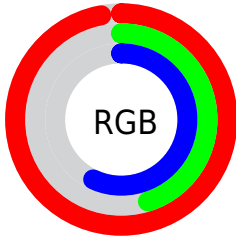
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">248, 116, 145</a>
Decimal	<a href="#">16282769</a>
CIELab	<a href="#">65.35, 53.16, 8.96</a>
CIELCh	<a href="#">65, 53.909, 9.570</a>
Yxy	<a href="#">34.4916, 0.4340, 0.2990</a>
Android (android.graphics.Color)	<a href="#">4294472849 (0xFFFF87491)</a>
YUV	<a href="#">158.7740, -6.7906, 78.2512</a>
Hunter-Lab	<a href="#">58.7295, 49.3965, 10.0100</a>

# Details

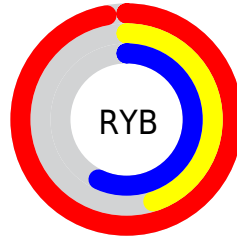
The XYZ color **50.0676, 34.4916, 30.8067** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.5580, 75.9630, 78.8623**, and the grayscale version is **32.8605, 34.5718, 37.6487**.

A 20% lighter version of the original color is **66.3013, 54.8886, 61.1329**, and **24.4733, 14.8551, 12.4039** is the 20% darker color. If you saturate the color by 10%, you get **46.2134, 28.9715, 22.7762**, and if you desaturate by 10%, it is **54.9407, 41.6427, 40.4316**.

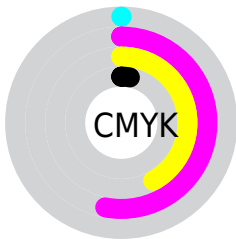
# Distribution



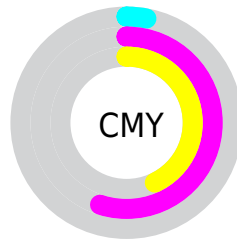
- Red (97%)
- Green (45%)
- Blue (57%)



- Red (97%)
- Yellow (45%)
- Blue (57%)



- Cyan (0%)
- Magenta (53%)
- Yellow (42%)
- Black (3%)




- Cyan (3%)
- Magenta (55%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0676, 34.4916, 30.8067 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 50.0676, 34.4916, 30.8067 by changing the saturation by 10% instead.





 50.0676, 34.4916,  
30.8067


 50.0676, 34.4916,  
30.8067


377.3779,  
322.3186, 319.9704


 35.6851, 23.2715,  
20.1945


 89.4662, 66.6974,  
62.0116

 24.3601, 14.7941,  
12.3510


 115.2131, 88.4519,  
83.4414

 15.7271, 8.6750,  
6.8578


 145.4789,  
114.4867, 109.3141

 9.4209, 4.5298,  
3.2962

180.6288,  
145.1862, 140.0482

 5.0760, 1.9741,  
1.2478

221.0284,  
180.9347, 176.0624

 2.3272, 0.5924,  
0.0184

267.0428,

 0.8085, 0.0000,

222.1167, 217.7751

0.0000

319.0375,  
269.1165, 265.6049

■ 0.0000, 0.0000,  
0.0000

■ 50.0676, 34.4916,  
30.8067

■ 50.0676, 34.4916,  
30.8067

■ 46.2134, 28.9715,  
22.7762

■ 54.9407, 41.6427,  
40.4316

■ 43.3004, 24.9475,  
16.2496

■ 60.8973, 50.5349,  
51.7304

■ 41.2434, 22.2719,  
11.1298

■ 67.9997, 61.2749,  
64.7796

■ 39.9397, 20.7638,  
7.3063

■ 76.3047, 73.9592,  
79.6501

■ 39.3884, 20.2272,  
5.3770

■ 85.8652, 88.6778,  
96.4091

92.5213, 98.6964,  
108.7817

# Harmonies

## Analogous

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



49.0917, 34.4916, 54.7900



50.0676, 34.4916, 30.8067



45.8745, 34.4916, 16.1733

# Triad

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



50.0676, 34.4916, 30.8067



24.0639, 34.4916, 13.0882



27.7834, 34.4916, 94.5050

# Complementary

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



50.0676, 34.4916, 30.8067



53.5580, 75.9630, 78.8623

# 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.



22.4545, 34.4916, 72.4452



50.0676, 34.4916, 30.8067



20.5574, 34.4916, 24.3770

# Square

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



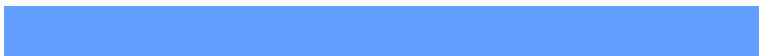
50.0676, 34.4916, 30.8067



30.3333, 34.4916, 8.9939



20.0195, 34.4916, 45.2243



35.3617, 34.4916, 98.4841



# Rectangle

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



50.0676, 34.4916, 30.8067



41.0533, 34.4916, 11.2245



20.0195, 34.4916, 45.2243



25.7058, 34.4916, 88.6343

# Sweetspot

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



50.0685, 34.4934, 30.8073



78.6783, 74.7909, 80.2158



51.8648, 34.0526, 92.6460



16.4433, 15.4013, 16.4604



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.



50.0685, 34.4934, 30.8073



48.9230, 30.4289, 23.5956



52.9639, 43.4171, 22.1143



17.4007, 17.2876, 18.6997



21.3200, 10.9437, 3.1278



2.0123, 1.0287, 0.4884



# Inverse Universe

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



50.0685, 34.4934, 30.8073



48.9230, 30.4289, 23.5956



47.8912, 57.9798, 97.4738



17.4007, 17.2876, 18.6997



21.3200, 10.9437, 3.1278



2.0123, 1.0287, 0.4884



# Previews

## White Background



This preview shows how the XYZ color 50.0676, 34.4916, 30.8067 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

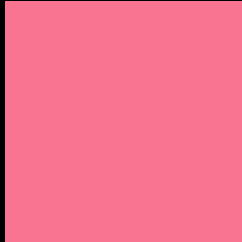
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.0676, 34.4916, 30.8067 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

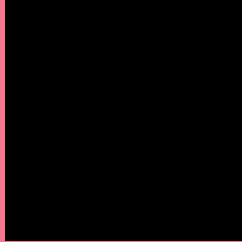
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.0676, 34.4916, 30.8067**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.0676, 34.4916, 30.8067.



This preview shows how white text looks on a background with the XYZ color 50.0676, 34.4916,

30.8067.

# 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

50.0676, 34.4916, 30.8067

### Protanopia

33.5928, 34.6518, 41.9637

### Deuteranopia

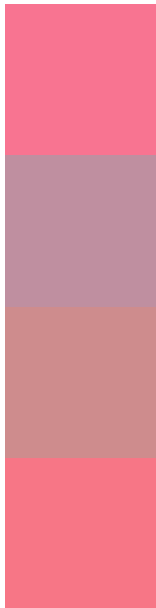
35.3428, 34.5916, 29.2402



## Tritanopia

48.7854, 34.5001, 24.1666

# Trichromacy



**Original Color**

50.0676, 34.4916, 30.8067

**Protanomaly**

37.6535, 33.2594, 37.6928

**Deuteranomaly**

39.6394, 33.8011, 29.6343

**Tritanomaly**

49.1393, 34.4523, 26.6143

# Monochromacy



**Original Color**

50.0676, 34.4916, 30.8067

**Achromatopsia**

32.9542, 34.6704, 37.7561

**Achromatomaly**

37.1411, 33.0544, 34.9944

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0676, 34.4916, 30.8067 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(248, 116, 145)` looks like.

```
.text, #text, p{  
    color:rgb(248, 116, 145)  
}
```

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(248, 116, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 116, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0676, 34.4916, 30.8067 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(248, 116, 145) }
```



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

```
.border{ border-color:rgb(248, 116, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 116, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 116, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 116, 145);  
box-shadow:4px 4px 4px 4px rgb(248, 116,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0676, 34.4916, 30.8067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 116, 145) }
```

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

```
.background{ background-color: rgb(248,  
116, 145) }
```

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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