

# Converting Colors

XYZ(48.2294, 34.8078, 54.3932)

Have a look what the booklet for  
XYZ(48.2294, 34.8078, 54.3932)  
contains.

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# Color

**XYZ(48.1378, 34.7795,  
54.6281)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E17EC1
RGB	225, 126, 193
RGB Percent	88%, 49%, 76%
CMY	0.1176, 0.5059, 0.2431
CMYK	0.00, 0.44, 0.14, 0.12
HSL	319°, 62%, 69%
HSV	319°, 44%, 88%
XYZ	48.1378, 34.7795, 54.6281
YIQ	163.2390, 37.4970, 41.8250

# Conversions

## Conversions Part 2

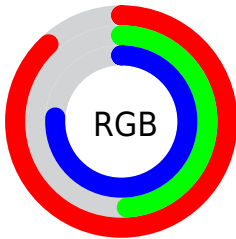
Format	Color
R <sub>Y</sub> B	225, 126, 193
Decimal	14778049
CIE Lab	65.58, 46.93, -18.27
CIE LCh	66, 50.361, 338.727
Yxy	34.7795, 0.3500, 0.2529
Android (android.graphics.Color)	4292968129 (0xFFE17EC1)
YUV	163.2390, 14.6722, 54.1644
Hunter-Lab	58.9741, 42.4963, -13.6388

# Details

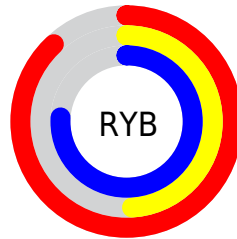
The XYZ color **48.1378, 34.7795, 54.6281** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **41.7025, 60.7557, 41.8793**, and the grayscale version is **34.8471, 36.6619, 39.9248**.

A 20% lighter version of the original color is **75.0192, 61.2099, 98.3032**, and **23.1912, 14.9540, 26.0902** is the 20% darker color. If you saturate the color by 10%, you get **44.7863, 29.3427, 49.6060**, and if you desaturate by 10%, it is **52.1783, 41.5295, 60.0775**.

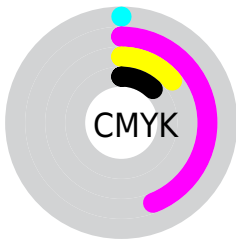
# Distribution



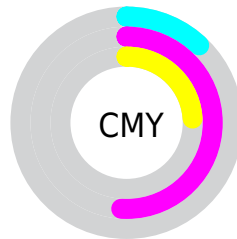
- Red (88%)
- Green (49%)
- Blue (76%)



- Red (88%)
- Yellow (49%)
- Blue (76%)



- Cyan (0%)
- Magenta (44%)
- Yellow (14%)
- Black (12%)




- Cyan (12%)
- Magenta (51%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1378, 34.7795, 54.6281 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 48.1378, 34.7795, 54.6281 by changing the saturation by 10% instead.





 48.1378, 34.7795,  
54.6281

 48.1378, 34.7795,  
54.6281

369.9116,  
323.5940, 421.7428


 34.1477, 23.4931,  
38.7075


 86.6180, 67.1440,  
98.4615

 23.1705, 14.9580,  
26.2261

 111.8388, 88.9909,  
127.2114

 14.8409, 8.7899,  
16.7656


 141.5340,  
115.1268, 161.0748

 8.7934, 4.6044,  
9.9073

176.0688,  
145.9360, 200.4701

 4.6627, 2.0171,  
5.2328

215.8086,  
181.8029, 245.8161

 2.0834, 0.6174,  
2.3234

261.1187,

 0.6802, 0.0000,

223.1119, 297.5312

0.7443

312.3646,  
270.2475, 356.0339

■ 0.0000, 0.0000,  
0.0000

■ 48.1378, 34.7795,  
54.6281

■ 48.1378, 34.7795,  
54.6281

■ 44.7863, 29.3427,  
49.6060

■ 52.1783, 41.5295,  
60.0775

■ 42.0760, 25.1260,  
44.9914

■ 56.9451, 49.6675,  
65.9682

■ 39.9582, 22.0322,  
40.7655


■ 62.4762, 59.2687,  
72.3160


■ 38.3752, 19.9468,  
36.9062


■ 68.8063, 70.4014,  
79.1351


■ 37.2567, 18.7305,  
33.3870


■ 75.9677, 83.1295,  
86.4388

 36.7412, 18.2835,  
31.4144

 82.0450, 93.6210,  
93.5912

 83.1274, 94.0540,  
99.2912

 84.2534, 94.5044,  
105.2207

 84.8615, 94.7477,  
108.4232

# Harmonies

## Analogous

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



42.7627, 34.7795, 79.2937



48.1378, 34.7795, 54.6281



49.1774, 34.7795, 32.0265

# Triad

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



48.1378, 34.7795, 54.6281



30.9484, 34.7795, 10.2129



23.1680, 34.7795, 69.4437

# Complementary

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



48.1378, 34.7795, 54.6281



41.7025, 60.7557, 41.8793

# 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.



20.9113, 34.7795, 44.3820



48.1378, 34.7795, 54.6281



24.9434, 34.7795, 14.1736

# Square

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



48.1378, 34.7795, 54.6281



38.4826, 34.7795, 11.2038



21.5090, 34.7795, 24.9445



28.1667, 34.7795, 89.8300



# Rectangle

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



48.1378, 34.7795, 54.6281



47.1422, 34.7795, 21.4894



21.5090, 34.7795, 24.9445



22.1002, 34.7795, 60.9779

# Sweetspot

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



48.1389, 34.7811, 54.6288



83.6938, 79.9718, 96.8395



35.0261, 27.5632, 74.7088



17.5406, 16.4649, 20.3124



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.



48.1389, 34.7811, 54.6288



59.7356, 39.3758, 66.2859



43.5590, 32.9492, 30.5117



14.0967, 13.8563, 16.2794



21.2275, 10.5580, 18.3954



1.5118, 0.7480, 1.4881



# Inverse Universe

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



48.1389, 34.7811, 54.6288



59.7356, 39.3758, 66.2859



46.7748, 62.7846, 68.5898



14.0967, 13.8563, 16.2794



21.2275, 10.5580, 18.3954

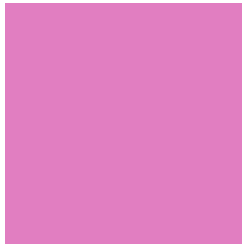


1.5118, 0.7480, 1.4881



# Previews

## White Background



This preview shows how the XYZ color 48.1378, 34.7795, 54.6281 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

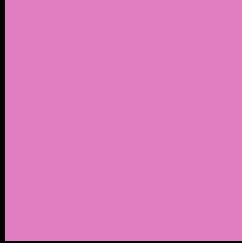
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.1378, 34.7795, 54.6281 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 48.1378, 34.7795, 54.6281**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.1378, 34.7795, 54.6281.



This preview shows how white text looks on a background with the XYZ color 48.1378, 34.7795,



# 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

48.1378, 34.7795, 54.6281

### Protanopia

35.9492, 35.2512, 69.8752

### Deuteranopia

35.8659, 35.0892, 52.4595



## Tritanopia

43.5077, 34.8993, 31.6373

# Trichromacy



## Original Color

48.1378, 34.7795, 54.6281



## Protanomaly

38.8976, 33.9961, 64.1863



## Deuteranomaly

39.4272, 34.2828, 53.2544



## Tritanomaly

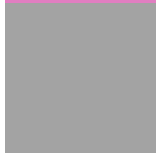
44.9863, 34.6765, 38.9725

# Monochromacy



## Original Color

48.1378, 34.7795, 54.6281



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

38.7960, 35.3078, 44.8147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.1378, 34.7795, 54.6281 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(225, 126, 193)` looks like.

```
.text, #text, p{  
    color:rgb(225, 126, 193)  
}
```

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(225, 126, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 126, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 48.1378, 34.7795, 54.6281 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(225, 126, 193) }
```



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

```
.border{ border-color:rgb(225, 126, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 126, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 126, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 126, 193);  
box-shadow:4px 4px 4px 4px rgb(225, 126,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.1378, 34.7795, 54.6281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 126, 193) }
```

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

```
.background{ background-color: rgb(225,  
126, 193) }
```

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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