

# Converting Colors

XYZ(48.2579, 36.9778, 29.7933)

Have a look what the booklet for  
XYZ(48.2579, 36.9778, 29.7933)  
contains.

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# Color

**XYZ(48.2579, 36.9778,  
29.7933)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED868D
RGB	237, 134, 141
RGB Percent	93%, 53%, 55%
CMY	0.0706, 0.4745, 0.4471
CMYK	0.00, 0.43, 0.41, 0.07
HSL	356°, 74%, 73%
HSV	356°, 43%, 93%
XYZ	48.2579, 36.9778, 29.7933
YIQ	165.5950, 59.1410, 24.0130

# Conversions

## Conversions Part 2

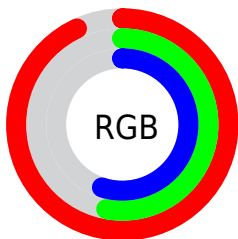
Format	Color
<a href="#">RYB</a>	<a href="#">237, 134, 141</a>
Decimal	<a href="#">15566477</a>
CIELab	<a href="#">67.26, 40.00, 13.71</a>
CIELCh	<a href="#">67, 42.287, 18.918</a>
Yxy	<a href="#">36.9778, 0.4195, 0.3215</a>
Android (android.graphics.Color)	<a href="#">4293756557</a> (0xFFED868D)
YUV	<a href="#">165.5950, -12.1253, 62.6222</a>
Hunter-Lab	<a href="#">60.8094, 35.2400, 13.5177</a>

# Details

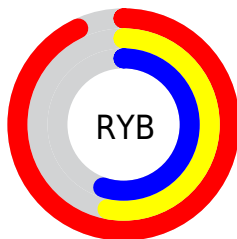
The XYZ color **48.2579, 36.9778, 29.7933** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **54.4005, 71.3507, 85.7718**, and the grayscale version is **36.0877, 37.9671, 41.3462**.

A 20% lighter version of the original color is **69.2879, 61.5953, 59.8670**, and **23.2657, 16.2549, 11.8088** is the 20% darker color. If you saturate the color by 10%, you get **43.8585, 30.5524, 21.0102**, and if you desaturate by 10%, it is **53.7210, 45.0059, 40.5490**.

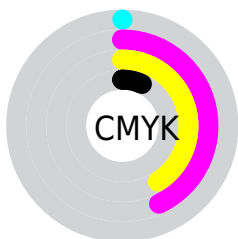
# Distribution



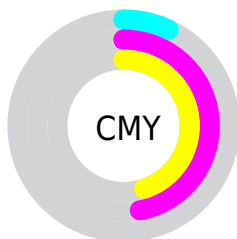
- Red (93%)
- Green (53%)
- Blue (55%)



- Red (93%)
- Yellow (53%)
- Blue (55%)



- Cyan (0%)
- Magenta (43%)
- Yellow (41%)
- Black (7%)



- Cyan (7%)
- Magenta (47%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2579, 36.9778, 29.7933 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 48.2579, 36.9778, 29.7933 by changing the saturation by 10% instead.





 48.2579, 36.9778,  
29.7933


 48.2579, 36.9778,  
29.7933


370.3791,  
333.2144, 315.1170


 34.2433, 25.1903,  
19.4310


 86.7956, 70.5386,  
60.3923

 23.2443, 16.2189,  
11.8022


 112.0495, 93.0808,  
81.4661

 14.8957, 9.6792,  
6.4882


 141.7804,  
119.9766, 106.9474

 8.8321, 5.1868,  
3.0706

176.3538,  
151.6104, 137.2549

 4.6880, 2.3573,  
1.1308

216.1350,  
188.3668, 172.8071

 2.0983, 0.8038,  
0.0000

261.4894,

 0.6883, 0.0000,

230.6299, 214.0225

0.0000

312.7823,  
278.7843, 261.3196

■ 0.0000, 0.0000,  
0.0000

■ 48.2579, 36.9778,  
29.7933

■ 48.2579, 36.9778,  
29.7933

■ 43.8585, 30.5524,  
21.0102

■ 53.7210, 45.0059,  
40.5490

■ 40.4508, 25.6171,  
14.0779

■ 60.3079, 54.7283,  
53.3848

■ 37.9582, 22.0535,  
8.8643


■ 68.0777, 66.2365,  
68.4032


■ 36.2917, 19.7229,  
5.2189

■ 77.0845, 79.6136,  
85.6989

■ 35.3445, 18.4572,  
2.9651

■ 87.3789, 94.9376,  
105.3615

 35.0193, 18.0422,  
2.1307

 88.7351, 96.7445,  
108.6045

# Harmonies

## Analogous

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



48.8028, 36.9778, 47.4964



48.2579, 36.9778, 29.7933



43.9591, 36.9778, 18.9569

# Triad

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



48.2579, 36.9778, 29.7933



26.5886, 36.9778, 21.1148



32.8119, 36.9778, 86.2473

# Complementary

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



48.2579, 36.9778, 29.7933



54.4005, 71.3507, 85.7718

# 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.



27.5979, 36.9778, 73.4786



48.2579, 36.9778, 29.7933



24.3095, 36.9778, 33.8032

# Square

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



48.2579, 36.9778, 29.7933



31.2702, 36.9778, 15.1116



24.6548, 36.9778, 52.9353



39.3301, 36.9778, 84.1729



# Rectangle

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



48.2579, 36.9778, 29.7933



39.8074, 36.9778, 15.3520



24.6548, 36.9778, 52.9353



30.8641, 36.9778, 83.4236

# Sweetspot

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



48.2589, 36.9797, 29.7940



80.7897, 78.8102, 81.5469



55.9395, 39.7287, 84.8409



16.8279, 16.1798, 16.5593



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.



48.2589, 36.9797, 29.7940



52.3730, 36.9272, 25.9843



54.9350, 51.1388, 29.5321



15.1070, 15.0706, 15.8485



19.1360, 9.8571, 1.2514



1.5172, 0.7798, 0.1750



# Inverse Universe

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



48.2589, 36.9797, 29.7940



52.3730, 36.9272, 25.9843



44.4296, 49.8052, 87.3925



15.1070, 15.0706, 15.8485



19.1360, 9.8571, 1.2514



1.5172, 0.7798, 0.1750



# Previews

## White Background



This preview shows how the XYZ color 48.2579, 36.9778, 29.7933 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 48.2579, 36.9778, 29.7933 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

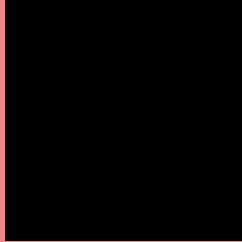
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.2579, 36.9778, 29.7933**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2579, 36.9778, 29.7933.



This preview shows how white text looks on a background with the XYZ color 48.2579, 36.9778,

29.7933.

# 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

48.2579, 36.9778, 29.7933

### Protanopia

35.6384, 37.3862, 36.7904

### Deuteranopia

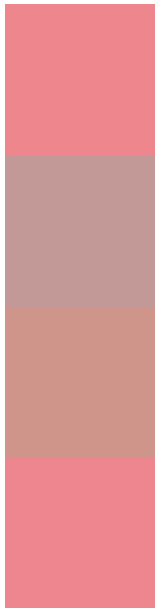
37.9774, 37.2070, 28.8470



## Tritanopia

48.4081, 37.0379, 30.5842

# Trichromacy



## Original Color

48.2579, 36.9778, 29.7933

## Protanomaly

39.2253, 36.4862, 34.2533

## Deuteranomaly

41.0670, 36.5953, 28.9439

## Tritanomaly

48.3326, 37.0077, 30.1870

# Monochromacy



## Original Color

48.2579, 36.9778, 29.7933

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

39.3796, 36.7520, 36.9166

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2579, 36.9778, 29.7933 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(237, 134, 141)` looks like.

```
.text, #text, p{  
    color:rgb(237, 134, 141)  
}
```

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(237, 134, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 134, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2579, 36.9778, 29.7933 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(237, 134, 141) }
```



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

```
.border{ border-color:rgb(237, 134, 141) }
```

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

Here you see how a box with a 4 pixel rgb(237, 134, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 134, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 134, 141);  
box-shadow:4px 4px 4px 4px rgb(237, 134,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2579, 36.9778, 29.7933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 134, 141) }
```

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

```
.background{ background-color: rgb(237,  
134, 141) }
```

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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