

# Converting Colors

XYZ(48.4084, 38.4892, 29.9835)

Have a look what the booklet for  
XYZ(48.4084, 38.4892, 29.9835)  
contains.

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# Color

**XYZ(48.5935, 38.6350,  
30.0954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB8D8D
RGB	235, 141, 141
RGB Percent	92%, 55%, 55%
CMY	0.0784, 0.4470, 0.4471
CMYK	0.00, 0.40, 0.40, 0.08
HSL	0°, 70%, 74%
HSV	0°, 40%, 92%
XYZ	48.5935, 38.6350, 30.0954
YIQ	169.1060, 56.0240, 19.9280

# Conversions

## Conversions Part 2

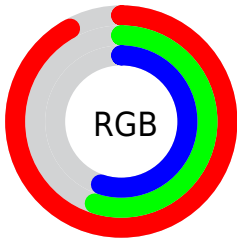
Format	Color
R <sub>Y</sub> B	235, 141, 141
Decimal	15437197
CIE Lab	68.49, 35.64, 15.39
CIE LCh	68, 38.822, 23.349
Yxy	38.6350, 0.4142, 0.3293
Android (android.graphics.Color)	4293627277 (0xFFEB8D8D)
YUV	169.1060, -13.8563, 57.7890
Hunter-Lab	62.1571, 30.7739, 14.8027

# Details

The XYZ color **48.5935, 38.6350, 30.0954** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **55.6867, 71.0743, 89.3808**, and the grayscale version is **37.8125, 39.7817, 43.3222**.

A 20% lighter version of the original color is **70.8303, 64.6800, 60.3811**, and **23.3652, 17.1302, 11.9725** is the 20% darker color. If you saturate the color by 10%, you get **43.9219, 31.7996, 20.8075**, and if you desaturate by 10%, it is **54.3731, 47.0927, 41.5836**.

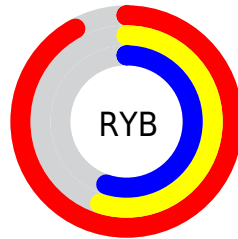
# Distribution



Red (92%)

Green (55%)

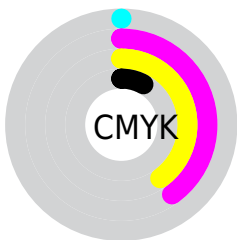
Blue (55%)



Red (92%)

Yellow (55%)

Blue (55%)

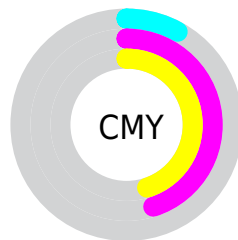


Cyan (0%)

Magenta (40%)

Yellow (40%)

Black (8%)



Cyan (8%)

Magenta (45%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5935, 38.6350, 30.0954 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 48.5935, 38.6350, 30.0954 by changing the saturation by 10% instead.





 48.5935, 38.6350,  
30.0954


 48.5935, 38.6350,  
30.0954


371.6834,  
340.3362, 316.5700


 34.5103, 26.4759,  
19.6583


 87.2918, 73.0804,  
60.8758

 23.4507, 17.1800,  
11.9653


 112.6376, 96.1355,  
82.0562

 15.0492, 10.3629,  
6.5978


 142.4683,  
123.5913, 107.6549

 8.9404, 5.6402,  
3.1373

177.1494,  
155.8324, 138.0902

 4.7591, 2.6276,  
1.1651

217.0460,  
193.2430, 173.7809

 2.1399, 0.9405,  
0.0000

262.5237,

 0.7108, 0.0000,

236.2075, 215.1454

0.0000

313.9477,  
285.1105, 262.6023

■ 0.0000, 0.0000,  
0.0000

■ 48.5935, 38.6350,  
30.0954

■ 48.5935, 38.6350,  
30.0954

■ 43.9219, 31.7996,  
20.8075

■ 54.3731, 47.0927,  
41.5836

■ 40.2848, 26.4774,  
13.5773

■ 61.3221, 57.2610,  
55.3979

■ 37.6045, 22.5552,  
8.2492

■ 69.5009, 69.2289,  
71.6572

■ 35.7910, 19.9014,  
4.6444

■ 78.9650, 83.0775,  
90.4716

■ 34.7373, 18.3594,  
2.5501

■ 88.0709, 96.4021,  
108.5734

■ 34.2610, 17.6625,  
1.6035

■ 34.2610, 17.6624,  
1.6034

# Harmonies

## Analogous

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



49.6652, 38.6350, 46.0843



48.5935, 38.6350, 30.0954



44.1876, 38.6350, 20.4414

# Triad

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



48.5935, 38.6350, 30.0954



28.0822, 38.6350, 25.0141



35.3778, 38.6350, 85.0986

# Complementary

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



48.5935, 38.6350, 30.0954



55.6867, 71.0743, 89.3808

# 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.



30.1475, 38.6350, 75.2318



48.5935, 38.6350, 30.0954



26.2480, 38.6350, 38.2901

# Square

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



48.5935, 38.6350, 30.0954



32.2609, 38.6350, 18.1268



26.9600, 38.6350, 56.8544



41.5753, 38.6350, 81.1190



# Rectangle

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



48.5935, 38.6350, 30.0954



40.1905, 38.6350, 17.3709



26.9600, 38.6350, 56.8544



33.4579, 38.6350, 83.2187

# Sweetspot

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



48.5945, 38.6369, 30.0961



81.5127, 80.1911, 81.9880



58.7813, 42.7103, 83.7429



17.1609, 16.7454, 16.9798



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.



48.5945, 38.6369, 30.0961



53.7799, 39.6101, 26.8567



57.0520, 55.5518, 32.9153



15.0656, 15.0542, 15.6304



19.0679, 9.8300, 0.8924



1.4973, 0.7719, 0.0701



# Inverse Universe

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



55.6867, 71.0743, 89.3808



63.4175, 83.6894, 107.4190



43.9633, 47.6275, 85.4730



15.5177, 17.1218, 19.4092



24.8775, 36.4020, 49.4581



1.9535, 2.8585, 3.8837



# Previews

## White Background



This preview shows how the XYZ color 48.5935, 38.6350, 30.0954 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

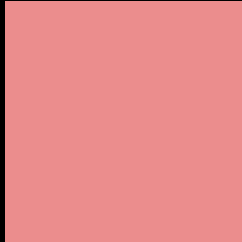
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.5935, 38.6350, 30.0954 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 48.5935, 38.6350, 30.0954**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.5935, 38.6350, 30.0954.



This preview shows how white text looks on a background with the XYZ color 48.5935, 38.6350,



# 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

48.5935, 38.6350, 30.0954

### Protanopia

37.1070, 38.9692, 36.1379

### Deuteranopia

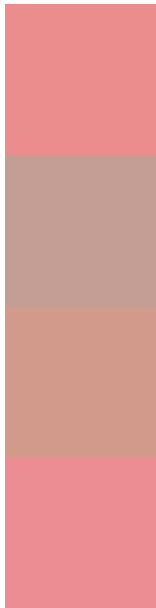
39.5084, 38.7652, 29.0670



## Tritanopia

49.4752, 38.7910, 33.7340

# Trichromacy



## Original Color

48.5935, 38.6350, 30.0954

## Protanomaly

40.4166, 38.3594, 33.7077

## Deuteranomaly

42.4375, 38.5015, 29.2396

## Tritanomaly

49.2366, 38.6956, 32.4777

# Monochromacy



## Original Color

48.5935, 38.6350, 30.0954

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

40.6485, 38.6369, 38.1162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.5935, 38.6350, 30.0954 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(235, 141, 141)` looks like.

```
.text, #text, p{  
    color:rgb(235, 141, 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(235, 141, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 141, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 48.5935, 38.6350, 30.0954 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(235, 141, 141) }
```



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

```
.border{ border-color:rgb(235, 141, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 141, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 141, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 141, 141);  
box-shadow:4px 4px 4px 4px rgb(235, 141,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.5935, 38.6350, 30.0954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 141, 141) }
```

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

```
.background{ background-color: rgb(235,  
141, 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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