

# Converting Colors

XYZ(47.8123, 37.5500, 21.8674)

Have a look what the booklet for  
XYZ(47.8123, 37.5500, 21.8674)  
contains.

<b>XYZ(47.8123, 37.5500, 21.8674)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.8123, 37.5500,  
21.8674)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF8976
RGB	239, 137, 118
RGB Percent	94%, 54%, 46%
CMY	0.0627, 0.4627, 0.5373
CMYK	0.00, 0.43, 0.51, 0.06
HSL	9°, 79%, 70%
HSV	9°, 51%, 94%
XYZ	47.8123, 37.5500, 21.8674
YIQ	165.3320, 66.8910, 15.7150

# Conversions

## Conversions Part 2

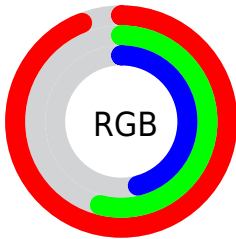
Format	Color
R <sub>Y</sub> B	239, 141, 118
Decimal	15698294
CIE Lab	67.69, 36.93, 27.17
CIE LCh	68, 45.846, 36.339
Yxy	37.5500, 0.4459, 0.3502
Android (android.graphics.Color)	4293888374 (0xFFEF8976)
YUV	165.3320, -23.3347, 64.6068
Hunter-Lab	61.2781, 32.0383, 21.7367

# Details

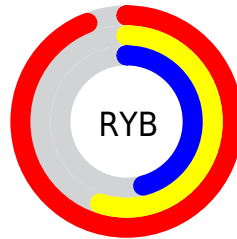
The XYZ color **47.8123, 37.5500, 21.8674** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **48.6430, 61.2670, 90.9232**, and the grayscale version is **36.0106, 37.8860, 41.2578**.

A 20% lighter version of the original color is **67.3453, 61.8616, 46.4212**, and **22.9131, 16.5104, 7.6094** is the 20% darker color. If you saturate the color by 10%, you get **43.9665, 31.8508, 14.4440**, and if you desaturate by 10%, it is **52.5544, 44.4663, 31.3652**.

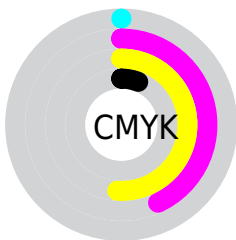
# Distribution



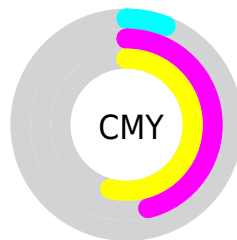
- Red (94%)
- Green (54%)
- Blue (46%)



- Red (94%)
- Yellow (55%)
- Blue (46%)



- Cyan (0%)
- Magenta (43%)
- Yellow (51%)
- Black (6%)




- Cyan (6%)
- Magenta (46%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8123, 37.5500, 21.8674 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 47.8123, 37.5500, 21.8674 by changing the saturation by 10% instead.





 47.8123, 37.5500,  
21.8674


 47.8123, 37.5500,  
21.8674

368.6426,  
335.6856, 274.7839

 33.8889, 25.6336,  
13.5621


 86.1363, 71.4179,  
47.4261

 22.9707, 16.5497,  
7.6815


 111.2675, 94.1382,  
65.5166

 14.6925, 9.9140,  
3.8070


 140.8655,  
121.2285, 87.7060

 8.6888, 5.3420,  
1.5201

175.2954,  
153.0734, 114.4127

 4.5942, 2.4493,  
0.2328

214.9228,  
190.0572, 146.0553

 2.0435, 0.8511,  
0.0000

260.1129,

 0.6582, 0.0000,

232.5642, 183.0523

0.0000

311.2310,  
280.9789, 225.8223

■ 0.0000, 0.0000,  
0.0000

■ 47.8123, 37.5500,  
21.8674

■ 47.8123, 37.5500,  
21.8674

■ 43.9665, 31.8508,  
14.4440

■ 52.5544, 44.4663,  
31.3652

■ 40.9568, 27.2922,  
8.9370

■ 58.2424, 52.6589,  
43.0753

■ 38.7194, 23.7979,  
5.1687


■ 64.9255, 62.1900,  
57.1260

■ 37.1800, 21.2797,  
2.9273

■ 72.6486, 73.1160,  
73.6353

■ 36.2751, 19.7077,  
1.8921

■ 81.4538, 85.4902,  
92.7133

 89.4066, 97.0907,  
108.6359

# Harmonies

## Analogous

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



50.9953, 37.5500, 36.7321



47.8123, 37.5500, 21.8674



41.4348, 37.5500, 14.5702

# Triad

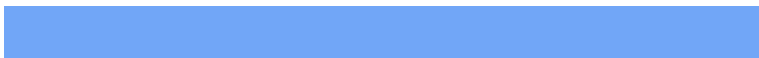
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.8123, 37.5500, 21.8674



24.6208, 37.5500, 27.1545



37.2137, 37.5500, 93.1390

# Complementary

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



47.8123, 37.5500, 21.8674



48.6430, 61.2670, 90.9232

# 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.



30.5027, 37.5500, 87.9775



47.8123, 37.5500, 21.8674



23.8018, 37.5500, 45.3409

# Square

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



47.8123, 37.5500, 21.8674



28.2187, 37.5500, 16.8417



25.8124, 37.5500, 68.5995



44.3761, 37.5500, 80.9993



# Rectangle

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



47.8123, 37.5500, 21.8674



36.5662, 37.5500, 13.0217



25.8124, 37.5500, 68.5995



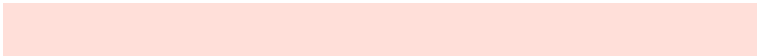
34.8282, 37.5500, 93.4140

# Sweetspot

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



47.8132, 37.5519, 21.8681



80.0549, 78.9029, 76.4857



55.1063, 36.5203, 72.4466



16.7327, 16.3190, 15.5116



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.



47.8132, 37.5519, 21.8681



50.7066, 36.5554, 16.3008



58.7536, 59.4326, 25.5149



15.9733, 16.1596, 16.4270



20.1069, 11.0118, 1.0657



1.7321, 1.0349, 0.1085



# Inverse Universe

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



48.6430, 61.2670, 90.9232



51.6999, 66.8081, 104.7781



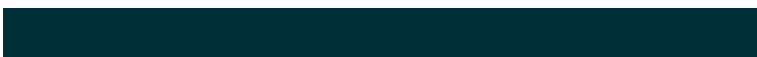
35.6830, 35.3470, 86.6032



16.0236, 17.4813, 20.2513



20.2916, 26.8074, 49.2327



1.7443, 2.3427, 4.1145



# Previews

## White Background



This preview shows how the XYZ color 47.8123, 37.5500, 21.8674 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 47.8123, 37.5500, 21.8674 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 47.8123, 37.5500, 21.8674**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8123, 37.5500, 21.8674.



This preview shows how white text looks on a background with the XYZ color 47.8123, 37.5500,

21.8674.

# 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

47.8123, 37.5500, 21.8674

### Protanopia

35.3889, 37.7521, 26.5408

### Deuteranopia

38.2901, 37.5389, 21.1472



## Tritanopia

49.6211, 37.4590, 30.6016

# Trichromacy



**Original Color**

47.8123, 37.5500, 21.8674

**Protanomaly**

39.0404, 37.0912, 24.8403

**Deuteranomaly**

41.1522, 37.0475, 21.2016

**Tritanomaly**

48.7634, 37.2967, 27.1831

# Monochromacy



**Original Color**

47.8123, 37.5500, 21.8674

**Achromatopsia**

35.7637, 37.6262, 40.9749

**Achromatomaly**

38.8049, 36.7873, 33.0724

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8123, 37.5500, 21.8674 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(239, 137, 118)` looks like.

```
.text, #text, p{  
    color:rgb(239, 137, 118)  
}
```

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(239, 137, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 137, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8123, 37.5500, 21.8674 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(239, 137, 118) }
```



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

```
.border{ border-color:rgb(239, 137, 118) }
```

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

Here you see how a box with a 4 pixel rgb(239, 137, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 137, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 137, 118);  
box-shadow:4px 4px 4px 4px rgb(239, 137,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8123, 37.5500, 21.8674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 137, 118) }
```

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

```
.background{ background-color: rgb(239,  
137, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor