

# Converting Colors

XYZ(48.9112, 39.9549, 22.2430)

Have a look what the booklet for  
XYZ(48.9112, 39.9549, 22.2430)  
contains.

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# Color

**XYZ(48.9920, 39.9095,  
22.2607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF9176
RGB	239, 145, 118
RGB Percent	94%, 57%, 46%
CMY	0.0627, 0.4313, 0.5372
CMYK	0.00, 0.39, 0.51, 0.06
HSL	13°, 79%, 70%
HSV	13°, 51%, 94%
XYZ	48.9920, 39.9095, 22.2607
YIQ	170.0280, 64.6910, 11.5310

# Conversions

## Conversions Part 2

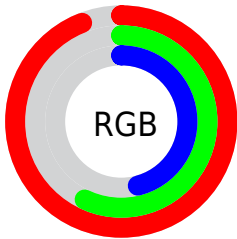
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 153, 118
Decimal	15700342
CIE <sub>Lab</sub>	69.41, 32.77, 29.43
CIE <sub>LCh</sub>	69, 44.046, 41.924
Yxy	39.9095, 0.4407, 0.3590
Android (android.graphics.Color)	4293890422 (0xFFEF9176)
YUV	170.0280, -25.6498, 60.4884
Hunter-Lab	63.1740, 27.8740, 23.3297

# Details

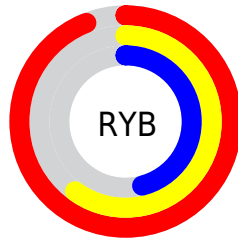
The XYZ color **48.9920, 39.9095, 22.2607** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.5934, 57.1678, 90.2398**, and the grayscale version is **38.3247, 40.3205, 43.9091**.

A 20% lighter version of the original color is **69.1500, 65.4708, 47.0227**, and **23.5789, 17.8421, 7.8313** is the 20% darker color. If you saturate the color by 10%, you get **45.1388, 34.1953, 14.8348**, and if you desaturate by 10%, it is **53.6706, 46.6988, 31.7374**.

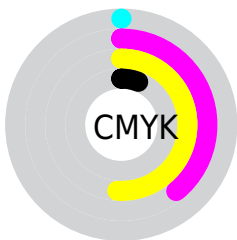
# Distribution



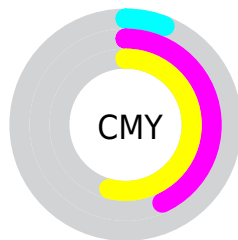
- Red (94%)
- Green (57%)
- Blue (46%)



- Red (94%)
- Yellow (60%)
- Blue (46%)



- Cyan (0%)
- Magenta (39%)
- Yellow (51%)
- Black (6%)




- Cyan (6%)
- Magenta (43%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9920, 39.9095, 22.2607 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 48.9920, 39.9095, 22.2607 by changing the saturation by 10% instead.





 48.9920, 39.9095,  
22.2607


 48.9920, 39.9095,  
22.2607


373.2283,  
345.7420, 276.9025

 34.8276, 27.4680,  
13.8484


 87.8804, 75.0257,  
48.0842

 23.6960, 17.9250,  
7.8778


 113.3351, 98.4691,  
66.3325

 15.2318, 10.8962,  
3.9302


 143.2840,  
126.3487, 88.6966

 9.0696, 5.9971,  
1.5871

178.0924,  
159.0488, 115.5950

 4.8441, 2.8433,  
0.2816

218.1257,  
196.9538, 147.4463

 2.1899, 1.0505,  
0.0000

263.7492,

 0.7374, 0.0000,

240.4480, 184.6689

0.0000

315.3283,  
289.9160, 227.6815

0.0000, 0.0000,  
0.0000

48.9920, 39.9095,  
22.2607

48.9920, 39.9095,  
22.2607

45.1388, 34.1953,  
14.8348

53.6706, 46.6988,  
31.7374

42.0577, 29.4942,  
9.3040

59.2175, 54.6091,  
43.4004

39.6937, 25.7466,  
5.4935


65.6758, 63.6907,  
57.3762

37.9822, 22.8841,  
3.1947

73.0852, 73.9893,  
73.7810

36.8852, 20.9281,  
2.0955

81.4826, 85.5478,  
92.7230

 89.4065, 97.0907,  
108.6359

# Harmonies

## Analogous

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



52.8753, 39.9095, 35.8854



48.9920, 39.9095, 22.2607



42.3162, 39.9095, 15.9265

# Triad

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



48.9920, 39.9095, 22.2607



26.4054, 39.9095, 32.4437



40.8162, 39.9095, 93.8636

# Complementary

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



48.9920, 39.9095, 22.2607



46.5934, 57.1678, 90.2398

# 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.



33.8630, 39.9095, 92.0653



48.9920, 39.9095, 22.2607



26.1095, 39.9095, 52.0198

# Square

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



48.9920, 39.9095, 22.2607



29.5433, 39.9095, 20.4194



28.6773, 39.9095, 75.0629



47.7768, 39.9095, 79.4041



# Rectangle

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



48.9920, 39.9095, 22.2607



37.4775, 39.9095, 14.9719



28.6773, 39.9095, 75.0629



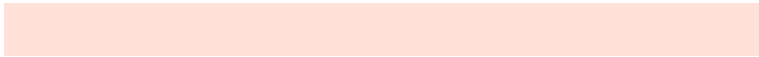
38.3918, 39.9095, 95.2395

# Sweetspot

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



48.9930, 39.9115, 22.2614



80.7347, 80.2624, 76.7123



54.0578, 36.1009, 66.9257



16.8944, 16.6424, 15.5655



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.



48.9930, 39.9115, 22.2614



52.0619, 39.2658, 16.7526



60.6302, 63.1860, 26.1405



16.0589, 16.3309, 16.4555



20.4636, 11.7253, 1.1847



1.7744, 1.1194, 0.1225



# Inverse Universe

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



46.5934, 57.1678, 90.2398



48.9125, 61.2333, 103.8490



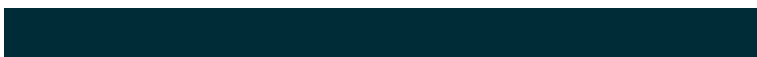
34.3258, 32.6325, 86.1506



15.9307, 17.2955, 20.2203



18.3758, 22.9758, 48.5941



1.6013, 2.0567, 4.0668



# Previews

## White Background



This preview shows how the XYZ color 48.9920, 39.9095, 22.2607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

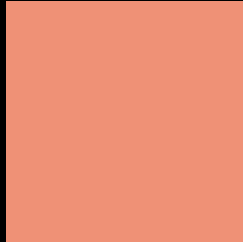
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.9920, 39.9095, 22.2607 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 48.9920, 39.9095, 22.2607**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.9920, 39.9095, 22.2607.



This preview shows how white text looks on a background with the XYZ color 48.9920, 39.9095,



# 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

48.9920, 39.9095, 22.2607

### Protanopia

37.6286, 40.2795, 26.5604

### Deuteranopia

40.8203, 40.1287, 21.8138



## Tritanopia

51.5819, 39.8678, 34.2547

# Trichromacy



**Original Color**

48.9920, 39.9095, 22.2607

**Protanomaly**

41.0751, 39.6669, 24.8936

**Deuteranomaly**

43.3598, 39.6368, 21.8884

**Tritanomaly**

50.6088, 39.9109, 29.4623

# Monochromacy



**Original Color**

48.9920, 39.9095, 22.2607

**Achromatopsia**

38.2080, 40.1978, 43.7754

**Achromatomaly**

40.8365, 39.3262, 34.7166

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.9920, 39.9095, 22.2607 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, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(239, 145, 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, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 145, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 48.9920, 39.9095, 22.2607 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".

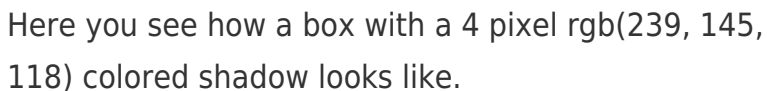
```
.border, #border, table{ border:4px solid rgb(239, 145, 118) }
```



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

```
.border{ border-color:rgb(239, 145, 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, 145, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(239, 145, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(239, 145, 118); box-shadow:4px 4px 4px 4px rgb(239, 145, 118) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.9920, 39.9095, 22.2607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 145, 118) }
```

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

```
.background{ background-color: rgb(239,  
145, 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](#).

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