

# Converting Colors

XYZ(56.9570, 48.4393, 20.2857)

Have a look what the booklet for  
XYZ(56.9570, 48.4393, 20.2857)  
contains.

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# Color

**XYZ(56.9910, 48.5159,  
20.2707)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA36B
RGB	255, 163, 107
RGB Percent	100%, 64%, 42%
CMY	0.0000, 0.3608, 0.5804
CMYK	0.00, 0.36, 0.58, 0.00
HSL	23°, 100%, 71%
HSV	23°, 58%, 100%
XYZ	56.9910, 48.5159, 20.2707
YIQ	184.1240, 72.8080, 2.0880

# Conversions

## Conversions Part 2

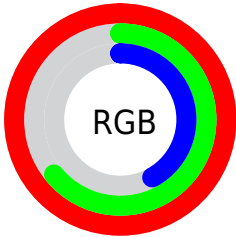
Format	Color
<b>RYB</b>	255, 197, 107
Decimal	16753515
CIELab	75.15, 28.74, 42.95
CIELCh	75, 51.682, 56.214
Yxy	48.5159, 0.4531, 0.3857
Android (android.graphics.Color)	4294943595 (0xFFFFA36B)
YUV	184.1240, -38.0221, 62.1583
Hunter-Lab	69.6534, 24.1569, 31.5026

# Details

The XYZ color **56.9910, 48.5159, 20.2707** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.5356, 51.1900, 102.1406**, and the grayscale version is **45.8050, 48.1905, 52.4794**.

A 20% lighter version of the original color is **72.5694, 73.9060, 43.2414**, and **28.6963, 23.1437, 6.9577** is the 20% darker color. If you saturate the color by 10%, you get **53.2020, 42.7778, 13.3365**, and if you desaturate by 10%, it is **61.5306, 55.1226, 29.4070**.

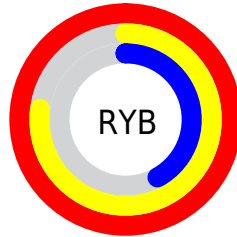
# Distribution



Red (100%)

Green (64%)

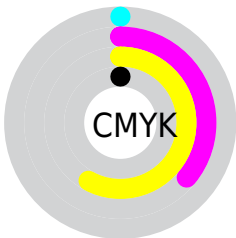
Blue (42%)



Red (100%)

Yellow (77%)

Blue (42%)

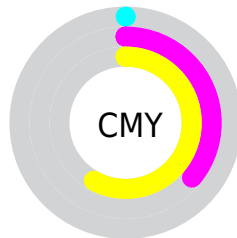


Cyan (0%)

Magenta (36%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9910, 48.5159, 20.2707 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 56.9910, 48.5159, 20.2707 by changing the saturation by 10% instead.




 56.9910, 48.5159,  
20.2707


 56.9910, 48.5159,  
20.2707


403.4303,  
380.8334, 266.0294

 41.2381, 34.2356,  
12.4059


 99.5835, 87.9720,  
44.7355


 28.6937, 23.0747,  
6.8949


 127.1538,  
113.9167, 62.1726

 18.9923, 14.6486,  
3.3190


 159.3940,  
144.5182, 83.6376

 11.7687, 8.5732,  
1.2597

 196.6694,  
180.1611, 109.5490

 6.6575, 4.4638,  
0.0284

239.3454,  
221.2296, 140.3253

 3.2932, 1.9363,  
0.0000

287.7873,

 1.3107, 0.5700,

268.1083, 176.3851

0.0000

342.3605,  
321.1814, 218.1470

■ 0.1912, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.9910, 48.5159,  
20.2707

■ 56.9910, 48.5159,  
20.2707

■ 53.2020, 42.7778,  
13.3365

■ 61.5306, 55.1226,  
29.4070

■ 50.1112, 37.8605,  
8.4083

■ 66.8611, 62.6279,  
40.9130

■ 47.6635, 33.7220,  
5.2590

■ 73.0239, 71.0688,  
54.9429

■ 45.7866, 30.3098,  
3.5808

■ 80.0561, 80.4783,  
71.6371

■ 45.4681, 29.7166,  
3.3394

■ 87.9923, 90.8874,  
91.1256

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



64.4417, 48.5159, 32.9867



56.9910, 48.5159, 20.2707



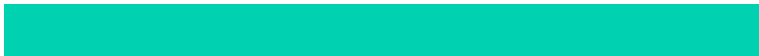
47.3251, 48.5159, 16.0203

# Triad

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



56.9910, 48.5159, 20.2707



30.2340, 48.5159, 49.4581



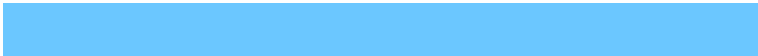
54.6273, 48.5159, 114.7345

# Complementary

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



56.9910, 48.5159, 20.2707



44.5356, 51.1900, 102.1406

# Split Complementary

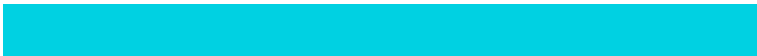
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



44.9216, 48.5159, 123.7600



56.9910, 48.5159, 20.2707



31.6377, 48.5159, 79.3527

# Square

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



56.9910, 48.5159, 20.2707



32.5817, 48.5159, 28.8205



36.7154, 48.5159, 109.0586



62.9512, 48.5159, 87.4312



# Rectangle

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



56.9910, 48.5159, 20.2707



41.2161, 48.5159, 16.9210



36.7154, 48.5159, 109.0586



51.3830, 48.5159, 120.3363

# Sweetspot

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



56.9922, 48.5184, 20.2716



80.8379, 81.5126, 73.5290



57.0090, 35.9802, 59.0344



16.9809, 17.0210, 14.9608



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.



56.9922, 48.5184, 20.2716



52.5425, 41.7498, 12.2182



73.6784, 81.8908, 25.8337



18.5726, 19.1135, 18.8547



23.8903, 15.7919, 1.7890

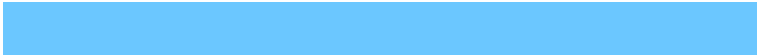


2.4273, 1.7400, 0.2079



# Inverse Universe

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



44.5356, 51.1900, 102.1406



38.9368, 44.5098, 101.1468



31.6687, 25.4562, 97.8516



17.9436, 19.2587, 23.0215



16.0137, 16.9370, 51.8597



1.6646, 1.8598, 5.0845



# Previews

## White Background



This preview shows how the XYZ color 56.9910, 48.5159, 20.2707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

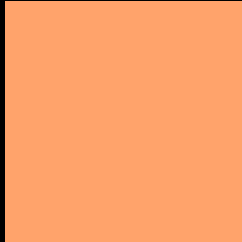
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9910, 48.5159, 20.2707 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 56.9910, 48.5159, 20.2707**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9910, 48.5159, 20.2707.



This preview shows how white text looks on a background with the XYZ color 56.9910, 48.5159,



# 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

56.9910, 48.5159, 20.2707

### Protanopia

44.8006, 48.4923, 23.2184

### Deuteranopia

49.5849, 48.6125, 19.8665



## Tritanopia

60.5347, 48.5409, 43.2246

# Trichromacy



## Original Color

56.9910, 48.5159, 20.2707

## Protanomaly

48.4656, 47.9863, 22.0371

## Deuteranomaly

52.2274, 48.5295, 19.9790

## Tritanomaly

58.9991, 48.4769, 33.4415

# Monochromacy



## Original Color

56.9910, 48.5159, 20.2707

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

48.1044, 47.1526, 38.0185

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9910, 48.5159, 20.2707 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(255, 163, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 107)  
}
```

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(255, 163, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9910, 48.5159, 20.2707 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(255, 163, 107) }
```



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

```
.border{ border-color:rgb(255, 163, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9910, 48.5159, 20.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 107) }
```

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

```
.background{ background-color: rgb(255,  
163, 107) }
```

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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