

# Converting Colors

XYZ(57.5838, 49.5178, 21.0342)

Have a look what the booklet for  
XYZ(57.5838, 49.5178, 21.0342)  
contains.

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# **Color**

**XYZ(57.6365, 49.6366,  
21.0110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA66D
RGB	255, 166, 109
RGB Percent	100%, 65%, 43%
CMY	0.0000, 0.3490, 0.5725
CMYK	0.00, 0.35, 0.57, 0.00
HSL	23°, 100%, 71%
HSV	23°, 57%, 100%
XYZ	57.6365, 49.6366, 21.0110
YIQ	186.1130, 71.3410, 1.1410

# Conversions

## Conversions Part 2

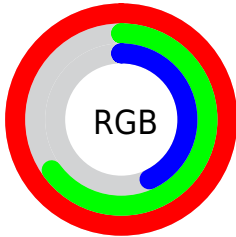
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 203, 109
Decimal	16754285
CIE Lab	75.85, 27.32, 42.78
CIE LCh	76, 50.762, 57.434
Yxy	49.6366, 0.4493, 0.3869
Android (android.graphics.Color)	4294944365 (0xFFFFA66D)
YUV	186.1130, -38.0167, 60.4139
Hunter-Lab	70.4532, 22.7344, 31.6354

# Details

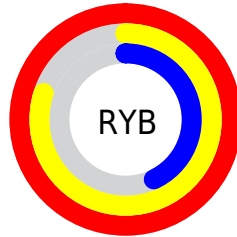
The XYZ color **57.6365, 49.6366, 21.0110** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.5494, 50.8566, 102.0754**, and the grayscale version is **46.9151, 49.3583, 53.7512**.

A 20% lighter version of the original color is **73.6180, 75.5815, 44.8910**, and **29.0549, 23.8197, 7.2040** is the 20% darker color. If you saturate the color by 10%, you get **53.8010, 43.8532, 13.9144**, and if you desaturate by 10%, it is **62.2140, 56.2672, 30.3198**.

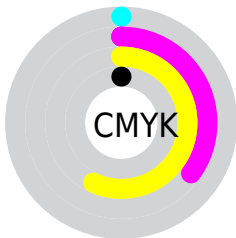
# Distribution



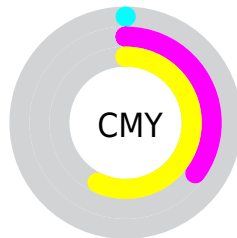
- Red (100%)
- Green (65%)
- Blue (43%)



- Red (100%)
- Yellow (80%)
- Blue (43%)



- Cyan (0%)
- Magenta (35%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6365, 49.6366, 21.0110 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 57.6365, 49.6366, 21.0110 by changing the saturation by 10% instead.





 57.6365, 49.6366,  
21.0110


 57.6365, 49.6366,  
21.0110


405.8058,  
385.2431, 270.1199

 41.7586, 35.1247,  
12.9407


 100.5193, 89.6362,  
45.9869


 29.1026, 23.7590,  
7.2575


 128.2550,  
115.8928, 63.7295

 19.3031, 15.1549,  
3.5428


 160.6740,  
146.8330, 85.5334

 11.9948, 8.9282,  
1.3780

 198.1416,  
182.8413, 111.8171

 6.8123, 4.6944,  
0.1245

241.0232,  
224.3020, 142.9990

 3.3903, 2.0691,  
0.0000

289.6843,

 1.3634, 0.6472,

271.5997, 179.4977

0.0000

344.4900,  
325.1186, 221.7319

■ 0.2299, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6365, 49.6366,  
21.0110

■ 57.6365, 49.6366,  
21.0110

■ 53.8010, 43.8532,  
13.9144

■ 62.2140, 56.2672,  
30.3198

■ 50.6564, 38.8712,  
8.8362


■ 67.5726, 63.7732,  
42.0064


■ 48.1491, 34.6505,  
5.5530

■ 73.7529, 72.1901,  
56.2239

■ 46.2117, 31.1424,  
3.7765

■ 80.7909, 81.5493,  
73.1114

 45.7554, 30.2912,  
3.4352

 88.7207, 91.8805,  
92.7979

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



65.1880, 49.6366, 33.4622



57.6365, 49.6366, 21.0110



47.9953, 49.6366, 16.9758

# Triad

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



57.6365, 49.6366, 21.0110



31.2714, 49.6366, 51.7520



56.0431, 49.6366, 114.5450

# Complementary

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



57.6365, 49.6366, 21.0110



44.5494, 50.8566, 102.0754

# 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.



46.3702, 49.6366, 124.3713



57.6365, 49.6366, 21.0110



32.8344, 49.6366, 81.7026

# Square

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



57.6365, 49.6366, 21.0110



33.4767, 49.6366, 30.6188



38.0682, 49.6366, 110.7481



64.1851, 49.6366, 87.1275



# Rectangle

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



57.6365, 49.6366, 21.0110



41.9470, 49.6366, 18.0780



38.0682, 49.6366, 110.7481



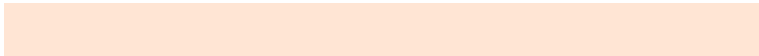
52.8269, 49.6366, 120.3448

# Sweetspot

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



57.6377, 49.6391, 21.0119



80.9817, 81.8002, 73.5769



57.0213, 36.3226, 58.0589



17.0147, 17.0886, 14.9720



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.



57.6377, 49.6391, 21.0119



53.2039, 42.9269, 12.8882



74.5649, 83.4934, 26.6543



18.5910, 19.1503, 18.8608



24.0429, 16.0969, 1.8398



2.4434, 1.7723, 0.2133



# Inverse Universe

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



44.5494, 50.8566, 102.0754



38.9007, 44.1285, 101.0751



31.8221, 25.4019, 97.8330



17.9246, 19.2208, 23.0152



15.7434, 16.3965, 51.7696



1.6392, 1.8091, 5.0761



# Previews

## White Background



This preview shows how the XYZ color 57.6365, 49.6366, 21.0110 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 57.6365, 49.6366, 21.0110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

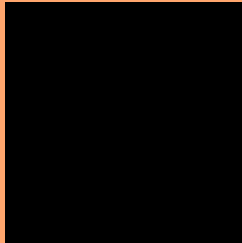
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.6365, 49.6366, 21.0110**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6365, 49.6366, 21.0110.



This preview shows how white text looks on a background with the XYZ color 57.6365, 49.6366,



# 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

57.6365, 49.6366, 21.0110

### Protanopia

45.8830, 49.6624, 23.9971

### Deuteranopia

50.7165, 49.7748, 20.5701



## Tritanopia

61.4313, 49.7283, 45.3905

# Trichromacy



## Original Color

57.6365, 49.6366, 21.0110

## Protanomaly

49.5888, 49.1431, 22.7915

## Deuteranomaly

53.0498, 49.5108, 20.6704

## Tritanomaly

59.7620, 49.6243, 34.8624

# Monochromacy



## Original Color

57.6365, 49.6366, 21.0110

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

49.1556, 48.5577, 39.1295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6365, 49.6366, 21.0110 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, 166, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 109)  
}
```

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, 166, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6365, 49.6366, 21.0110 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, 166, 109) }
```



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

```
.border{ border-color:rgb(255, 166, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6365, 49.6366, 21.0110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 109) }
```

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

```
.background{ background-color: rgb(255,  
166, 109) }
```

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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