

Converting Colors

XYZ(61.4736, 51.2869, 17.8387)

Have a look what the booklet for
XYZ(61.4736, 51.2869, 17.8387)
contains.

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Color

**XYZ(56.8065, 49.0148,
17.5331)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA560
RGB	255, 165, 96
RGB Percent	100%, 65%, 38%
CMY	0.0000, 0.3529, 0.6235
CMYK	0.00, 0.35, 0.62, 0.00
HSL	26°, 100%, 69%
HSV	26°, 62%, 100%
XYZ	56.8065, 49.0148, 17.5331
YIQ	184.0440, 75.7890, -2.3790

Conversions

Conversions Part 2

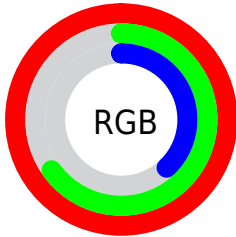
Format	Color
R _Y B	255, 218, 96
Decimal	16754016
CIE Lab	75.46, 26.94, 48.88
CIE LCh	75, 55.815, 61.137
Yxy	49.0148, 0.4605, 0.3973
Android (android.graphics.Color)	4294944096 (0xFFFFA560)
YUV	184.0440, -43.4057, 62.2284
Hunter-Lab	70.0106, 22.3162, 34.1591

Details

The XYZ color **56.8065, 49.0148, 17.5331** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.4318, 44.8224, 101.1280**, and the grayscale version is **45.7885, 48.1730, 52.4604**.

A 20% lighter version of the original color is **72.1785, 74.5845, 38.6090**, and **28.6464, 23.4768, 5.6064** is the 20% darker color. If you saturate the color by 10%, you get **53.3594, 43.7048, 11.5013**, and if you desaturate by 10%, it is **60.9303, 55.0696, 25.6691**.

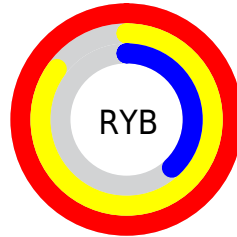
Distribution



Red (100%)

Green (65%)

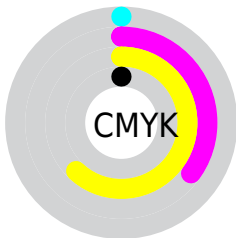
Blue (38%)



Red (100%)

Yellow (85%)

Blue (38%)

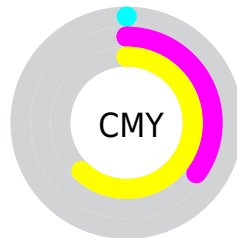


Cyan (0%)

Magenta (35%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8065, 49.0148, 17.5331 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 56.8065, 49.0148, 17.5331 by changing the saturation by 10% instead.


 56.8065, 49.0148,
17.5331

 56.8065, 49.0148,
17.5331


402.7498,
382.8006, 250.3731

 41.0894, 34.6312,
10.4493


 99.3158, 88.7134,
40.0432


 28.5770, 23.3789,
5.5884


 126.8387,
114.7973, 56.3067

 18.9037, 14.8736,
2.5318


 159.0276,
145.5500, 76.4672

 11.7043, 8.7307,
0.8569

 196.2479,
181.3560, 100.9432

 6.6134, 4.5659,
0.0000

238.8649,
222.5997, 130.1532

 3.2657, 1.9949,
0.0000

287.2440,

 1.2958, 0.6045,

269.6654, 164.5159

0.0000

341.7505,
322.9376, 204.4497

■ 0.1801, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8065, 49.0148,
17.5331

■ 56.8065, 49.0148,
17.5331

■ 53.3594, 43.7048,
11.5013

■ 60.9303, 55.0696,
25.6691

■ 50.5376, 39.0975,
7.3658


■ 65.7700, 61.8936,
36.0848


■ 48.2855, 35.1562,
4.8797

■ 71.3651, 69.5189,
48.9401

■ 46.8883, 32.5569,
3.8128

■ 77.7511, 77.9731,
64.3796

 84.9609, 87.2827,
82.5366

 93.0254, 97.4724,
103.5351

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.



65.6594, 49.0148, 29.1011



56.8065, 49.0148, 17.5331



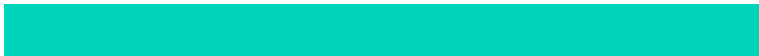
46.1954, 49.0148, 14.3951

Triad

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



56.8065, 49.0148, 17.5331



29.4716, 49.0148, 54.5016



57.5866, 49.0148, 118.0542

Complementary

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



56.8065, 49.0148, 17.5331



40.4318, 44.8224, 101.1280

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.



46.9810, 49.0148, 132.4443



56.8065, 49.0148, 17.5331



31.6198, 49.0148, 88.3633

Square

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



56.8065, 49.0148, 17.5331



31.3174, 49.0148, 30.4210



37.6733, 49.0148, 119.9744



66.1544, 49.0148, 85.6643

Rectangle

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



56.8065, 49.0148, 17.5331



39.8096, 49.0148, 16.0412



37.6733, 49.0148, 119.9744



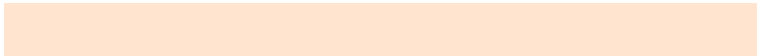
54.0932, 49.0148, 125.5973

Sweetspot

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



56.8077, 49.0173, 17.5340



80.0748, 80.9975, 70.1571



54.2965, 33.1755, 50.0522



16.7137, 16.7832, 13.9572



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.



56.8077, 49.0173, 17.5340



52.5536, 42.4179, 10.2309



75.8223, 87.0467, 23.8722



18.6578, 19.2838, 18.8831



24.6422, 17.2957, 2.0396



2.5055, 1.8965, 0.2340

Inverse Universe

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



40.4318, 44.8224, 101.1280



34.9002, 37.8057, 100.0655



28.0903, 20.1394, 97.0141



17.8563, 19.0841, 22.9924



14.8202, 14.5500, 51.4619



1.5517, 1.6341, 5.0469

Previews

White Background



This preview shows how the XYZ color 56.8065, 49.0148, 17.5331 looks on a white background.

Color Contrast Check

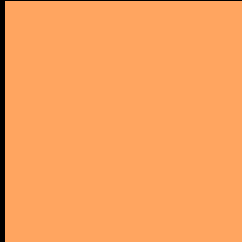
Large Text (above 18pt) WCAG AA × Fail

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 56.8065, 49.0148, 17.5331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

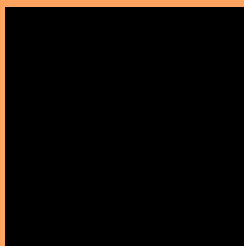
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.8065, 49.0148, 17.5331

Background



This preview shows how black text looks on a background with the XYZ color 56.8065, 49.0148, 17.5331.



This preview shows how white text looks on a background with the XYZ color 56.8065, 49.0148,

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

56.8065, 49.0148, 17.5331

Protanopia

45.1839, 49.0762, 19.9232

Deuteranopia

50.0110, 48.8926, 17.1573



Tritanopia

60.8938, 48.9586, 44.2707

Trichromacy



Original Color

56.8065, 49.0148, 17.5331

Protanomaly

48.6521, 48.4489, 18.8439

Deuteranomaly

52.2238, 48.8724, 17.2705

Tritanomaly

58.9428, 48.7329, 32.2864

Monochromacy



Original Color

56.8065, 49.0148, 17.5331

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.9680, 47.4129, 36.3292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8065, 49.0148, 17.5331 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, 165, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 96)  
}
```

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, 165, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 96) }
```

Border

The CSS property to change the border of an element to XYZ 56.8065, 49.0148, 17.5331 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, 165, 96) }
```


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

```
.border{ border-color:rgb(255, 165, 96) }
```

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

Here you see how a box with a 4 pixel rgb(255, 165, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8065, 49.0148, 17.5331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 96) }
```

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

```
.background{ background-color: rgb(255,  
165, 96) }
```

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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