

Converting Colors

XYZ(105.8146, 72.9686,
22.5755)

Have a look what the booklet for
XYZ(105.8146, 72.9686, 22.5755)
contains.

XYZ(56.5176, 47.4843, 20.3739)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.5176, 47.4843,
20.3739)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA06C
RGB	255, 160, 108
RGB Percent	100%, 63%, 42%
CMY	0.0000, 0.3725, 0.5765
CMYK	0.00, 0.37, 0.58, 0.00
HSL	21°, 100%, 71%
HSV	21°, 58%, 100%
XYZ	56.5176, 47.4843, 20.3739
YIQ	182.4770, 73.3120, 3.9680

Conversions

Conversions Part 2

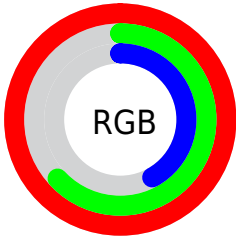
Format	Color
R_{YB}	255, 188, 108
Decimal	16752748
CIE _{Lab}	74.50, 30.37, 41.64
CIE _{LCh}	74, 51.540, 53.890
Yxy	47.4843, 0.4544, 0.3818
Android (android.graphics.Color)	4294942828 (0xFFFFA06C)
YUV	182.4770, -36.7172, 63.6027
Hunter-Lab	68.9089, 25.8115, 30.7063

Details

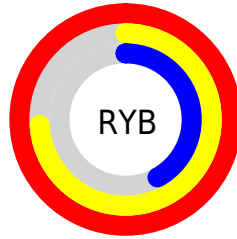
The XYZ color **56.5176, 47.4843, 20.3739** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.5890, 53.1173, 102.4573**, and the grayscale version is **44.8909, 47.2288, 51.4321**.

A 20% lighter version of the original color is **71.8856, 72.3989, 43.4433**, and **28.4001, 22.5102, 6.9857** is the 20% darker color. If you saturate the color by 10%, you get **52.6840, 41.6808, 13.3515**, and if you desaturate by 10%, it is **61.1289, 54.2087, 29.6139**.

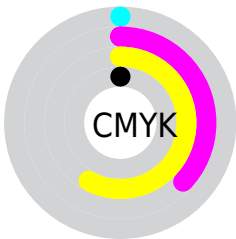
Distribution



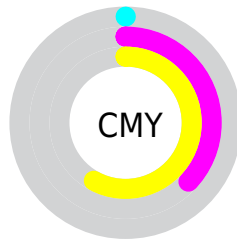
- Red (100%)
- Green (63%)
- Blue (42%)



- Red (100%)
- Yellow (74%)
- Blue (42%)



- Cyan (0%)
- Magenta (37%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.5176, 47.4843, 20.3739 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 56.5176, 47.4843, 20.3739 by changing the saturation by 10% instead.


 56.5176, 47.4843,
20.3739


 56.5176, 47.4843,
20.3739


401.6827,
376.7444, 266.6030

 40.8567, 33.4187,
12.4804

 98.8964, 86.4361,
44.9104


 28.3943, 22.4474,
6.9452

 126.3450,
112.0910, 62.3903

 18.7651, 14.1860,
3.3499


 158.4535,
142.3779, 83.9029

 11.6036, 8.2501,
1.2760

 195.5873,
177.6810, 109.8665

 6.5447, 4.2554,
0.0420

238.1118,
218.3848, 140.6998

 3.2228, 1.8174,
0.0000

286.3923,

 1.2726, 0.4980,

264.8737, 176.8213

0.0000

340.7941,
317.5321, 218.6495

■ 0.1626, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.5176, 47.4843,
20.3739

■ 56.5176, 47.4843,
20.3739

■ 52.6840, 41.6808,
13.3515

■ 61.1289, 54.2087,
29.6139

■ 49.5742, 36.7470,
8.3511

■ 66.5600, 61.8872,
41.2389

■ 47.1316, 32.6371,
5.1467

■ 72.8534, 70.5601,
55.4032

■ 45.2837, 29.2950,
3.4401

■ 80.0478, 80.2629,
72.2470

44.9141, 28.6085,
3.1548

88.1790, 91.0295,
91.9005

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



63.5448, 47.4843, 33.6052



56.5176, 47.4843, 20.3739



47.0634, 47.4843, 15.6591

Triad

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



56.5176, 47.4843, 20.3739



29.5791, 47.4843, 46.4386



52.7720, 47.4843, 114.1192

Complementary

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



56.5176, 47.4843, 20.3739



45.5890, 53.1173, 102.4573

Split Complementary

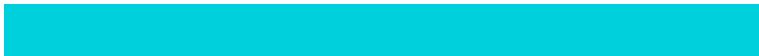
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.2550, 47.4843, 121.2091



56.5176, 47.4843, 20.3739



30.6720, 47.4843, 75.3508

Square

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



56.5176, 47.4843, 20.3739



32.1675, 47.4843, 27.0045



35.3891, 47.4843, 105.1221



61.1828, 47.4843, 88.1558

Rectangle

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



56.5176, 47.4843, 20.3739



40.9726, 47.4843, 16.2098



35.3891, 47.4843, 105.1221



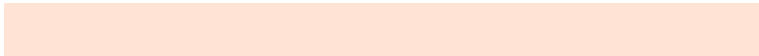
49.5646, 47.4843, 119.0913

Sweetspot

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



56.5187, 47.4867, 20.3748



80.5449, 80.9266, 73.4313



57.4478, 36.3235, 60.8276



16.9121, 16.8834, 14.9378



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.



56.5187, 47.4867, 20.3748



52.2220, 40.9630, 12.5609



73.0714, 80.5921, 25.8924



18.5351, 19.0384, 18.8422



23.5955, 15.2022, 1.6907



2.3957, 1.6768, 0.1974

Inverse Universe

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



45.5890, 53.1173, 102.4573



40.2938, 46.9147, 101.5395



32.2239, 26.3871, 98.0022



17.9825, 19.3365, 23.0345



16.5878, 18.0851, 52.0511



1.7181, 1.9668, 5.1024

Previews

White Background



This preview shows how the XYZ color 56.5176, 47.4843, 20.3739 looks on a white background.

Color Contrast Check

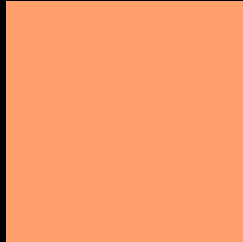
Large Text (above 18pt) WCAG AA × Fail

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 56.5176, 47.4843, 20.3739 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 56.5176, 47.4843, 20.3739

Background



This preview shows how black text looks on a background with the XYZ color 56.5176, 47.4843, 20.3739.



This preview shows how white text looks on a background with the XYZ color 56.5176, 47.4843,

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

56.5176, 47.4843, 20.3739

Protanopia

44.1708, 47.8447, 23.7365

Deuteranopia

48.6202, 47.5272, 19.9757



Tritanopia

59.8443, 47.4559, 42.0822

Trichromacy



Original Color

56.5176, 47.4843, 20.3739

Protanomaly

47.8824, 47.0905, 22.4853

Deuteranomaly

51.2372, 47.4522, 20.0944

Tritanomaly

58.4078, 47.4183, 32.8623

Monochromacy



Original Color

56.5176, 47.4843, 20.3739

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

47.3469, 46.1940, 37.4312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5176, 47.4843, 20.3739 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, 160, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 108)  
}
```

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, 160, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 108) }
```

Border

The CSS property to change the border of an element to XYZ 56.5176, 47.4843, 20.3739 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, 160, 108) }
```


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

```
.border{ border-color:rgb(255, 160, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5176, 47.4843, 20.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 108) }
```

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

```
.background{ background-color: rgb(255,  
160, 108) }
```

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