

Converting Colors

XYZ(56.1810, 46.8872, 20.0270)

Have a look what the booklet for
XYZ(56.1810, 46.8872, 20.0270)
contains.

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Color

**XYZ(56.1207, 46.7753,
19.9806)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E6B
RGB	255, 158, 107
RGB Percent	100%, 62%, 42%
CMY	0.0000, 0.3804, 0.5804
CMYK	0.00, 0.38, 0.58, 0.00
HSL	21°, 100%, 71%
HSV	21°, 58%, 100%
XYZ	56.1207, 46.7753, 19.9806
YIQ	181.1890, 74.1830, 4.7030

Conversions

Conversions Part 2

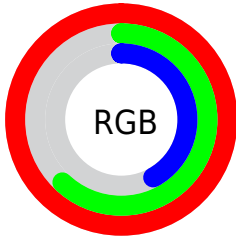
Format	Color
R _Y B	255, 185, 107
Decimal	16752235
CIE Lab	74.05, 31.34, 41.60
CIE LCh	74, 52.082, 53.007
Yxy	46.7753, 0.4567, 0.3807
Android (android.graphics.Color)	4294942315 (0xFFFF9E6B)
YUV	181.1890, -36.5752, 64.7322
Hunter-Lab	68.3925, 26.7846, 30.5534

Details

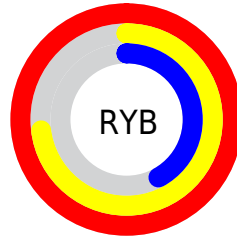
The XYZ color **56.1207, 46.7753, 19.9806** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.7049, 53.5287, 102.5304**, and the grayscale version is **44.1881, 46.4893, 50.6269**.

A 20% lighter version of the original color is **71.2923, 71.3517, 42.8156**, and **28.1659, 22.0829, 6.7809** is the 20% darker color. If you saturate the color by 10%, you get **52.3124, 40.9986, 13.0400**, and if you desaturate by 10%, it is **60.7144, 53.4903, 29.1349**.

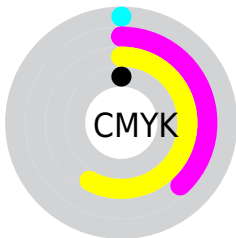
Distribution



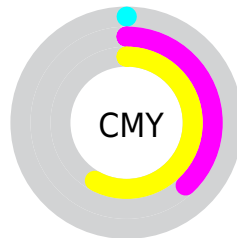
- Red (100%)
- Green (62%)
- Blue (42%)



- Red (100%)
- Yellow (73%)
- Blue (42%)



- Cyan (0%)
- Magenta (38%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1207, 46.7753, 19.9806 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 56.1207, 46.7753, 19.9806 by changing the saturation by 10% instead.


 56.1207, 46.7753,
19.9806


 56.1207, 46.7753,
19.9806


400.2139,
373.9169, 264.4108


 40.5371, 32.8581,
12.1970


 98.3198, 85.3781,
44.2432


 28.1436, 22.0177,
6.7538


 125.6660,
110.8325, 61.5593

 18.5750, 13.8699,
3.2325


 157.6638,
140.9013, 82.8899

 11.4657, 8.0303,
1.2146

 194.6785,
175.9691, 108.6537

 6.4506, 4.1143,
0.0000

237.0756,
216.4201, 139.2692

 3.1642, 1.7377,
0.0000

285.2202,

 1.2412, 0.4479,

262.6389, 175.1548

0.0000

339.4779,
315.0096, 216.7292

■ 0.1385, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.1207, 46.7753,
19.9806

■ 56.1207, 46.7753,
19.9806

■ 52.3124, 40.9986,
13.0400

■ 60.7144, 53.4903,
29.1349

■ 49.2347, 36.1075,
8.1161

■ 66.1363, 61.1783,
40.6713

■ 46.8297, 32.0544,
4.9811

■ 72.4299, 69.8809,
54.7449

■ 45.0220, 28.7805,
3.3259

■ 79.6344, 79.6350,
71.4965

■ 44.7198, 28.2200,
3.0900

■ 87.7863, 90.4754,
91.0568

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.



63.0509, 46.7753, 33.4087



56.1207, 46.7753, 19.9806



46.6733, 46.7753, 15.1147

Triad

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



56.1207, 46.7753, 19.9806



28.9552, 46.7753, 44.9413



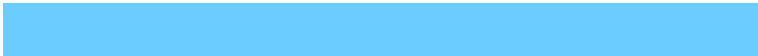
51.8269, 46.7753, 114.1784

Complementary

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



56.1207, 46.7753, 19.9806



45.7049, 53.5287, 102.5304

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.



42.3149, 46.7753, 120.6269



56.1207, 46.7753, 19.9806



29.9356, 46.7753, 73.7054

Square

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



56.1207, 46.7753, 19.9806



31.6410, 46.7753, 25.8950



34.5354, 46.7753, 103.8192



60.3403, 46.7753, 88.4173

Rectangle

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



56.1207, 46.7753, 19.9806



40.5508, 46.7753, 15.5340



34.5354, 46.7753, 103.8192



48.6096, 46.7753, 118.9752

Sweetspot

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



56.1218, 46.7777, 19.9815



80.4366, 80.7100, 73.3952



57.5978, 36.2157, 62.1351



16.8867, 16.8325, 14.9294



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.



56.1218, 46.7777, 19.9815



51.6530, 39.9709, 11.9217



72.2833, 79.1007, 25.3686



18.5212, 19.0106, 18.8376



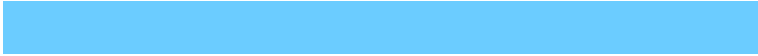
23.4919, 14.9950, 1.6562



2.3845, 1.6543, 0.1936

Inverse Universe

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



45.7049, 53.5287, 102.5304



40.2471, 47.1305, 101.5836



32.3198, 26.7585, 98.0687



17.9969, 19.3655, 23.0393



16.8080, 18.5256, 52.1245



1.7385, 2.0076, 5.1092

Previews

White Background



This preview shows how the XYZ color 56.1207, 46.7753, 19.9806 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 56.1207, 46.7753, 19.9806 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 56.1207, 46.7753, 19.9806

Background



This preview shows how black text looks on a background with the XYZ color 56.1207, 46.7753, 19.9806.



This preview shows how white text looks on a background with the XYZ color 56.1207, 46.7753,

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

56.1207, 46.7753, 19.9806

Protanopia

43.4335, 46.8590, 23.2785

Deuteranopia

47.7589, 46.8012, 19.6131



Tritanopia

59.3321, 46.7228, 41.0132

Trichromacy



Original Color

56.1207, 46.7753, 19.9806



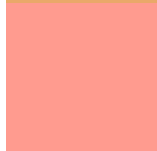
Protanomaly

47.1376, 46.1395, 22.0442



Deuteranomaly

50.4841, 46.5176, 19.6826



Tritanomaly

57.9193, 46.6859, 31.9452

Monochromacy



Original Color

56.1207, 46.7753, 19.9806



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

46.7887, 45.6301, 36.9133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1207, 46.7753, 19.9806 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, 158, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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, 158, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 107) }
```

Border

The CSS property to change the border of an element to XYZ 56.1207, 46.7753, 19.9806 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, 158, 107) }
```


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

```
.border{ border-color:rgb(255, 158, 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, 158, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1207, 46.7753, 19.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 107) }
```

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

```
.background{ background-color: rgb(255,  
158, 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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