

Converting Colors

XYZ(56.4543, 46.9912, 21.4829)

Have a look what the booklet for
XYZ(56.4543, 46.9912, 21.4829)
contains.

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Color

**XYZ(56.3915, 46.8836,
21.4065)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E70
RGB	255, 158, 112
RGB Percent	100%, 62%, 44%
CMY	0.0000, 0.3804, 0.5608
CMYK	0.00, 0.38, 0.56, 0.00
HSL	19°, 100%, 72%
HSV	19°, 56%, 100%
XYZ	56.3915, 46.8836, 21.4065
YIQ	181.7590, 72.5780, 6.2580

Conversions

Conversions Part 2

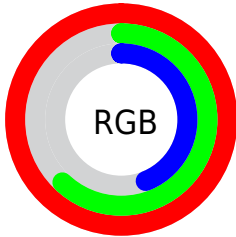
Format	Color
R _Y B	255, 180, 112
Decimal	16752240
CIE Lab	74.12, 31.71, 39.08
CIE LCh	74, 50.326, 50.939
Yxy	46.8836, 0.4523, 0.3760
Android (android.graphics.Color)	4294942320 (0xFFFF9E70)
YUV	181.7590, -34.3912, 64.2324
Hunter-Lab	68.4716, 27.1828, 29.3941

Details

The XYZ color **56.3915, 46.8836, 21.4065** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.5312, 56.2627, 102.9619**, and the grayscale version is **44.4870, 46.8038, 50.9693**.

A 20% lighter version of the original color is **71.7351, 71.5288, 45.1476**, and **28.2994, 22.1363, 7.4838** is the 20% darker color. If you saturate the color by 10%, you get **52.4222, 40.9046, 14.0429**, and if you desaturate by 10%, it is **61.1803, 53.8586, 31.0272**.

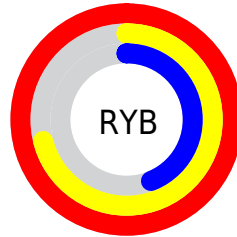
Distribution



Red (100%)

Green (62%)

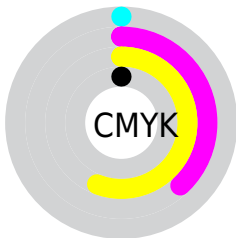
Blue (44%)



Red (100%)

Yellow (71%)

Blue (44%)

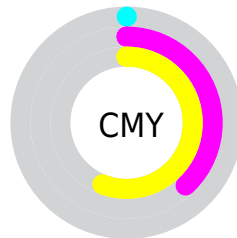


Cyan (0%)

Magenta (38%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3915, 46.8836, 21.4065 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 56.3915, 46.8836, 21.4065 by changing the saturation by 10% instead.


 56.3915, 46.8836,
21.4065

 56.3915, 46.8836,
21.4065


401.2164,
374.3497, 272.2827

 40.7551, 32.9436,
13.2273


 98.7133, 85.5398,
46.6526


 28.3146, 22.0833,
7.4527


 126.1294,
111.0249, 64.5567

 18.7046, 13.9181,
3.6641


 158.2027,
141.1272, 86.5394

 11.5598, 8.0637,
1.4429

 195.2988,
176.2310, 113.0194

 6.5147, 4.1358,
0.1749

237.7828,
216.7208, 144.4152

 3.2041, 1.7498,
0.0000

286.0202,

 1.2626, 0.4556,

262.9809, 181.1453

0.0000

340.3762,
315.3957, 223.6283

■ 0.1550, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3915, 46.8836,
21.4065

■ 56.3915, 46.8836,
21.4065

■ 52.4222, 40.9046,
14.0429

■ 61.1803, 53.8586,
31.0272

■ 49.2167, 35.8660,
8.7439

■ 66.8323, 61.8673,
43.0702

■ 46.7170, 31.7169,
5.2892

■ 73.3918, 70.9539,
57.6882

■ 44.8523, 28.3972,
3.4044

■ 80.8991, 81.1579,
75.0205

■ 44.2601, 27.3004,
2.9367

■ 89.3915, 92.5167,
95.1963

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.



62.7748, 46.8836, 35.2939



56.3915, 46.8836, 21.4065



47.3454, 46.8836, 16.0606

Triad

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



56.3915, 46.8836, 21.4065



29.5521, 46.8836, 43.6276



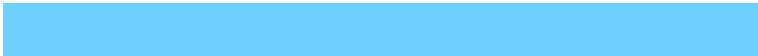
51.0423, 46.8836, 112.8065

Complementary

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



56.3915, 46.8836, 21.4065



47.5312, 56.2627, 102.9619

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.



41.8889, 46.8836, 117.3739



56.3915, 46.8836, 21.4065



30.2632, 46.8836, 70.9066

Square

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



56.3915, 46.8836, 21.4065



32.4201, 46.8836, 25.7357



34.5137, 46.8836, 100.0645



59.4088, 46.8836, 89.1215

Rectangle

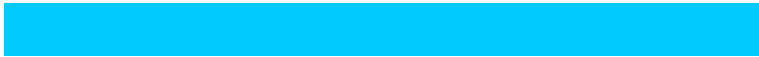
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



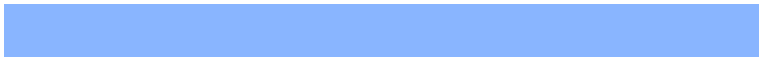
56.3915, 46.8836, 21.4065



41.3549, 46.8836, 16.1915



34.5137, 46.8836, 100.0645



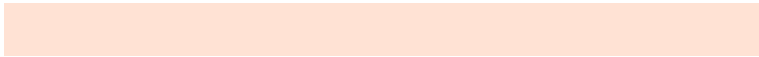
47.9296, 46.8836, 116.8830

Sweetspot

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



56.3926, 46.8860, 21.4074



80.1664, 80.1694, 73.3051



58.6318, 37.4876, 64.9336



16.8233, 16.7057, 14.9082



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.



56.3926, 46.8860, 21.4074



52.0956, 40.4014, 13.4709



72.1239, 78.3485, 26.6511



18.4864, 18.9410, 18.8260



23.2459, 14.5031, 1.5742



2.3574, 1.6001, 0.1846

Inverse Universe

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



47.5312, 56.2627, 102.9619



42.3817, 50.4359, 102.1091



33.8520, 28.9044, 98.4022



18.0333, 19.4382, 23.0514



17.3770, 19.6636, 52.3142



1.7909, 2.1126, 5.1267

Previews

White Background



This preview shows how the XYZ color 56.3915, 46.8836, 21.4065 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 56.3915, 46.8836, 21.4065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

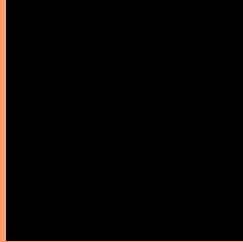
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3915, 46.8836, 21.4065

Background



This preview shows how black text looks on a background with the XYZ color 56.3915, 46.8836, 21.4065.



This preview shows how white text looks on a background with the XYZ color 56.3915, 46.8836,

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

56.3915, 46.8836, 21.4065

Protanopia

43.7350, 47.2779, 25.2328

Deuteranopia

48.0206, 46.9058, 20.9908



Tritanopia

59.3321, 46.7228, 41.0132

Trichromacy



Original Color

56.3915, 46.8836, 21.4065

Protanomaly

47.6195, 46.6402, 23.6322

Deuteranomaly

50.7488, 46.6235, 21.0763

Tritanomaly

58.0722, 46.7470, 32.7504

Monochromacy



Original Color

56.3915, 46.8836, 21.4065

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

47.3239, 45.8768, 38.2592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3915, 46.8836, 21.4065 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 112) }
```

Border

The CSS property to change the border of an element to XYZ 56.3915, 46.8836, 21.4065 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, 112) }
```


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

```
.border{ border-color:rgb(255, 158, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3915, 46.8836, 21.4065 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, 112) }
```

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

```
.background{ background-color: rgb(255,  
158, 112) }
```

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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