

Converting Colors

XYZ(102.4323, 70.3444,
24.4811)

Have a look what the booklet for
XYZ(102.4323, 70.3444, 24.4811)
contains.

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Color

**XYZ(56.3915, 46.6117,
22.2445)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9D73
RGB	255, 157, 115
RGB Percent	100%, 62%, 45%
CMY	0.0000, 0.3843, 0.5490
CMYK	0.00, 0.38, 0.55, 0.00
HSL	18°, 100%, 73%
HSV	18°, 55%, 100%
XYZ	56.3915, 46.6117, 22.2445
YIQ	181.5140, 71.8900, 7.7140

Conversions

Conversions Part 2

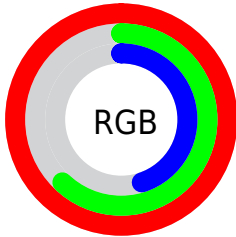
Format	Color
R _Y B	255, 175, 115
Decimal	16751987
CIE Lab	73.94, 32.47, 37.28
CIE LCh	74, 49.433, 48.947
Yxy	46.6117, 0.4502, 0.3722
Android (android.graphics.Color)	4294942067 (0xFFFF9D73)
YUV	181.5140, -32.7914, 64.4472
Hunter-Lab	68.2728, 27.9590, 28.4732

Details

The XYZ color **56.3915, 46.6117, 22.2445** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.9132, 58.4506, 103.3115**, and the grayscale version is **44.3455, 46.6549, 50.8072**.

A 20% lighter version of the original color is **71.8514, 71.1741, 46.9968**, and **28.2831, 21.9658, 7.9034** is the 20% darker color. If you saturate the color by 10%, you get **52.3197, 40.5007, 14.6219**, and if you desaturate by 10%, it is **61.3125, 53.7721, 32.1529**.

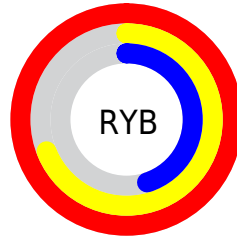
Distribution



Red (100%)

Green (62%)

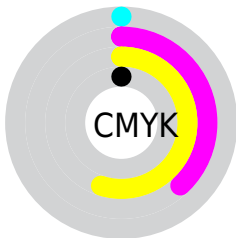
Blue (45%)



Red (100%)

Yellow (69%)

Blue (45%)

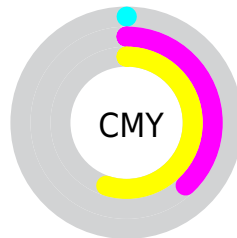


Cyan (0%)

Magenta (38%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3915, 46.6117, 22.2445 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, 46.6117, 22.2445 by changing the saturation by 10% instead.


 56.3915, 46.6117,
22.2445


 56.3915, 46.6117,
22.2445


401.2164,
373.2625, 276.8155


 40.7551, 32.7288,
13.8366


 98.7133, 85.1337,
48.0571

 28.3146, 21.9188,
7.8697

 126.1294,
110.5416, 66.2990

 18.7046, 13.7972,
3.9251


 158.2027,
140.5600, 88.6559

 11.5598, 7.9798,
1.5843

195.2988,
175.5732, 115.5464

 6.5147, 4.0820,
0.2796

237.7828,
215.9657, 147.3891

 3.2041, 1.7195,
0.0000

286.0202,

 1.2626, 0.4363,

262.1218, 184.6025

0.0000

340.3762,
314.4259, 227.6051

■ 0.1550, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3915, 46.6117,
22.2445

■ 56.3915, 46.6117,
22.2445

■ 52.3197, 40.5007,
14.6219

■ 61.3125, 53.7721,
32.1529

■ 49.0403, 35.3801,
9.0951

■ 67.1277, 62.0227,
44.5107

■ 46.4940, 31.1954,
5.4473

■ 73.8827, 71.4107,
59.4697

■ 44.6094, 27.8827,
3.4116

■ 81.6187, 81.9783,
77.1683

■ 43.8596, 26.4994,
2.8032

■ 90.3747, 93.7656,
97.7352

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.



62.3432, 46.6117, 36.5677



56.3915, 46.6117, 22.2445



47.6322, 46.6117, 16.4656

Triad

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



56.3915, 46.6117, 22.2445



29.6647, 46.6117, 42.0041



50.0367, 46.6117, 111.8910

Complementary

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



56.3915, 46.6117, 22.2445



48.9132, 58.4506, 103.3115

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.



41.1327, 46.6117, 114.8462



56.3915, 46.6117, 22.2445



30.1292, 46.6117, 68.1992

Square

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



56.3915, 46.6117, 22.2445



32.7124, 46.6117, 25.0837



34.0787, 46.6117, 96.8573



58.3515, 46.6117, 89.7681

Rectangle

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



56.3915, 46.6117, 22.2445



41.7192, 46.6117, 16.3198



34.0787, 46.6117, 96.8573



46.9913, 46.6117, 115.3809

Sweetspot

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



56.3926, 46.6141, 22.2454



80.7198, 80.7585, 75.0859



59.3811, 38.3259, 67.2189



16.9238, 16.8048, 15.2561



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, 46.6141, 22.2454



51.9218, 39.8906, 13.9158



71.8036, 77.4360, 27.3824



18.4536, 18.8754, 18.8150



23.0309, 14.0731, 1.5025



2.3332, 1.5517, 0.1765

Inverse Universe

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



48.9132, 58.4506, 103.3115



43.6651, 52.6570, 102.4702



34.9431, 30.5102, 98.6548



18.0678, 19.5071, 23.0629



17.9382, 20.7861, 52.5012



1.8424, 2.2154, 5.1438

Previews

White Background



This preview shows how the XYZ color 56.3915, 46.6117, 22.2445 looks on a white background.

Color Contrast Check

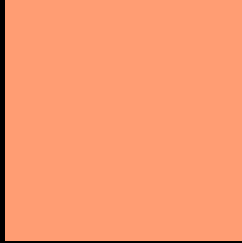
Large Text (above 18pt) WCAG AA × Fail

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, 46.6117, 22.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

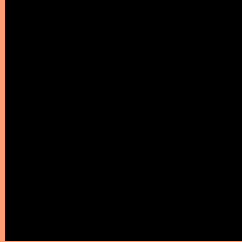
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3915, 46.6117, 22.2445

Background



This preview shows how black text looks on a background with the XYZ color 56.3915, 46.6117, 22.2445.



This preview shows how white text looks on a background with the XYZ color 56.3915, 46.6117,

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, 46.6117, 22.2445

Protanopia

43.4556, 46.8069, 26.1463

Deuteranopia

47.8795, 46.8141, 21.8417



Tritanopia

59.2421, 46.6868, 40.5394

Trichromacy



Original Color

56.3915, 46.6117, 22.2445



Protanomaly

47.3082, 46.1730, 24.5080



Deuteranomaly

50.5875, 46.5212, 21.9360



Tritanomaly

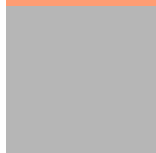
57.9839, 46.4465, 33.1031

Monochromacy



Original Color

56.3915, 46.6117, 22.2445



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

47.4096, 45.9111, 38.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3915, 46.6117, 22.2445 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, 157, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 115)  
}
```

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, 157, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 115) }
```

Border

The CSS property to change the border of an element to XYZ 56.3915, 46.6117, 22.2445 is called "border". The border property can be set on classes, ids or directly on the HTML element.

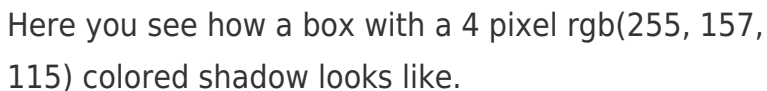
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 157, 115) }
```


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

```
.border{ border-color:rgb(255, 157, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 157, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 157, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 157, 115); box-shadow:4px 4px 4px 4px rgb(255, 157, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3915, 46.6117, 22.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 115) }
```

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

```
.background{ background-color: rgb(255,  
157, 115) }
```

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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