

Converting Colors

XYZ(55.8851, 46.7128, 18.6418)

Have a look what the booklet for
XYZ(55.8851, 46.7128, 18.6418)
contains.

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Color

**XYZ(55.8651, 46.6730,
18.6348)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E66
RGB	255, 158, 102
RGB Percent	100%, 62%, 40%
CMY	0.0000, 0.3804, 0.6000
CMYK	0.00, 0.38, 0.60, 0.00
HSL	22°, 100%, 70%
HSV	22°, 60%, 100%
XYZ	55.8651, 46.6730, 18.6348
YIQ	180.6190, 75.7880, 3.1480

Conversions

Conversions Part 2

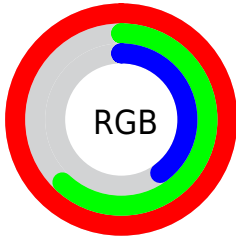
Format	Color
R_{YB}	255, 190, 102
Decimal	16752230
CIE _{Lab}	73.98, 30.98, 44.10
CIE _{LCh}	74, 53.894, 54.906
Yxy	46.6730, 0.4610, 0.3852
Android (android.graphics.Color)	4294942310 (0xFFFF9E66)
YUV	180.6190, -38.7592, 65.2321
Hunter-Lab	68.3176, 26.4082, 31.6500

Details

The XYZ color **55.8651, 46.6730, 18.6348** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.9517, 50.8890, 102.1132**, and the grayscale version is **43.8903, 46.1760, 50.2857**.

A 20% lighter version of the original color is **70.8670, 71.1816, 40.5762**, and **28.0448, 22.0344, 6.1431** is the 20% darker color. If you saturate the color by 10%, you get **52.2112, 41.0876, 12.1082**, and if you desaturate by 10%, it is **60.2728, 53.1442, 27.3317**.

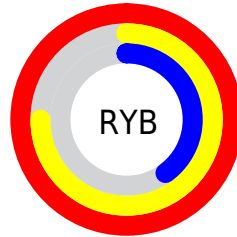
Distribution



Red (100%)

Green (62%)

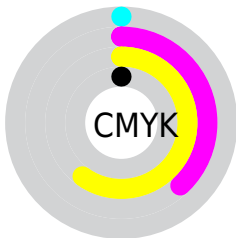
Blue (40%)



Red (100%)

Yellow (75%)

Blue (40%)

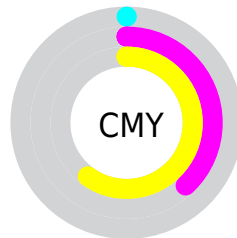


Cyan (0%)

Magenta (38%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (38%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8651, 46.6730, 18.6348 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 55.8651, 46.6730, 18.6348 by changing the saturation by 10% instead.


 55.8651, 46.6730,
18.6348


 55.8651, 46.6730,
18.6348


399.2662,
373.5078, 256.7804

 40.3314, 32.7772,
11.2326

 97.9483, 85.2253,
41.9445


 27.9823, 21.9558,
6.1073


 125.2284,
110.6506, 58.6891

 18.4527, 13.8245,
2.8406


 157.1547,
140.6879, 79.3848

 11.3772, 7.9987,
1.0138


 194.0925,
175.7216, 104.4503

 6.3903, 4.0941,
0.0000

236.4072,
216.1360, 134.3041

 3.1267, 1.7263,
0.0000

284.4642,

 1.2211, 0.4406,

262.3156, 169.3646

0.0000

338.6287,
314.6447, 210.0506

■ 0.1230, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8651, 46.6730,
18.6348

■ 55.8651, 46.6730,
18.6348

■ 52.2112, 41.0876,
12.1082

■ 60.2728, 53.1442,
27.3317

■ 49.2568, 36.3379,
7.5500

■ 65.4765, 60.5335,
38.3709

■ 46.9439, 32.3787,
4.7239

■ 71.5190, 68.8801,
51.9098

■ 45.1844, 29.1492,
3.2449

■ 78.4385, 78.2185,
68.0914

■ 45.1843, 29.1490,
3.2448

■ 86.2710, 88.5816,
87.0475

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.



63.3371, 46.6730, 31.6185



55.8651, 46.6730, 18.6348



46.0235, 46.6730, 14.2140

Triad

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



55.8651, 46.6730, 18.6348



28.3732, 46.6730, 46.2604



52.6140, 46.6730, 115.5810

Complementary

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



55.8651, 46.6730, 18.6348



43.9517, 50.8890, 102.1132

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.



42.7396, 46.6730, 123.9314



55.8651, 46.6730, 18.6348



29.6134, 46.6730, 76.5457

Square

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



55.8651, 46.6730, 18.6348



30.8853, 46.6730, 26.0466



34.5562, 46.6730, 107.6382



61.2781, 46.6730, 87.7538

Rectangle

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



55.8651, 46.6730, 18.6348



39.7721, 46.6730, 14.8975



34.5562, 46.6730, 107.6382



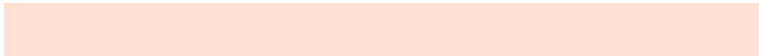
49.2905, 46.6730, 121.1029

Sweetspot

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



55.8662, 46.6754, 18.6357



79.9307, 80.2078, 71.6554



56.5870, 35.0013, 59.3099



16.6463, 16.5511, 14.2348



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.



55.8662, 46.6754, 18.6357



51.5661, 40.0718, 11.0456



72.5087, 79.9604, 24.1832



18.5538, 19.0757, 18.8484



23.7394, 15.4901, 1.7387



2.4112, 1.7078, 0.2026

Inverse Universe

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



43.9517, 50.8890, 102.1132



38.6169, 44.4527, 101.1526



30.8571, 24.6998, 97.7484



17.9631, 19.2978, 23.0280



16.2984, 17.5063, 51.9546



1.6911, 1.9130, 5.0934

Previews

White Background



This preview shows how the XYZ color 55.8651, 46.6730, 18.6348 looks on a white background.

Color Contrast Check

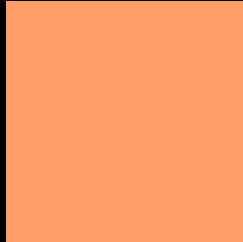
Large Text (above 18pt) WCAG AA × Fail

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 55.8651, 46.6730, 18.6348 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 55.8651, 46.6730, 18.6348

Background



This preview shows how black text looks on a background with the XYZ color 55.8651, 46.6730, 18.6348.



This preview shows how white text looks on a background with the XYZ color 55.8651, 46.6730,

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

55.8651, 46.6730, 18.6348

Protanopia

43.1504, 46.7457, 21.7875

Deuteranopia

47.8196, 46.8609, 18.3291



Tritanopia

59.2421, 46.6868, 40.5394

Trichromacy



Original Color

55.8651, 46.6730, 18.6348



Protanomaly

46.8638, 46.0299, 20.6020



Deuteranomaly

50.5638, 46.5875, 18.3839



Tritanomaly

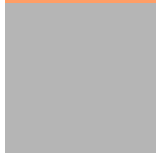
57.7691, 46.6258, 31.1542

Monochromacy



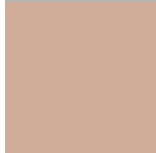
Original Color

55.8651, 46.6730, 18.6348



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

46.6235, 45.5640, 36.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8651, 46.6730, 18.6348 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 102) }
```

Border

The CSS property to change the border of an element to XYZ 55.8651, 46.6730, 18.6348 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, 102) }
```


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

```
.border{ border-color:rgb(255, 158, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8651, 46.6730, 18.6348 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
158, 102) }
```

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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