

Converting Colors

XYZ(100.0964, 71.6739,
12.7995)

Have a look what the booklet for
XYZ(100.0964, 71.6739, 12.7995)
contains.

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Color

**XYZ(55.6918, 48.8587,
10.7704)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA63C
RGB	255, 166, 60
RGB Percent	100%, 65%, 24%
CMY	0.0000, 0.3490, 0.7647
CMYK	0.00, 0.35, 0.76, 0.00
HSL	33°, 100%, 62%
HSV	33°, 76%, 100%
XYZ	55.6918, 48.8587, 10.7704
YIQ	180.5270, 87.0700, -14.0980

Conversions

Conversions Part 2

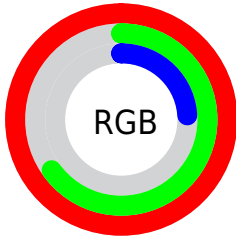
Format	Color
RYB	224, 255, 60
Decimal	16754236
CIELab	75.36, 24.59, 65.03
CIElCh	75, 69.521, 69.287
Yxy	48.8587, 0.4829, 0.4237
Android (android.graphics.Color)	4294944316 (0xFFFFA63C)
YUV	180.5270, -59.4198, 65.3128
Hunter-Lab	69.8990, 19.8960, 39.7936

Details

The XYZ color **55.6918, 48.8587, 10.7704** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.6603, 29.6742, 98.7186**, and the grayscale version is **43.9445, 46.2330, 50.3477**.

A 20% lighter version of the original color is **70.1337, 74.1878, 26.5428**, and **28.0096, 23.3721, 3.0350** is the 20% darker color. If you saturate the color by 10%, you get **53.1524, 44.6117, 7.3612**, and if you desaturate by 10%, it is **58.7493, 53.6234, 15.9535**.

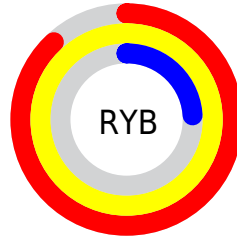
Distribution



Red (100%)

Green (65%)

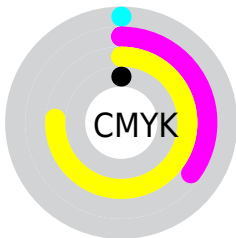
Blue (24%)



Red (88%)

Yellow (100%)

Blue (24%)

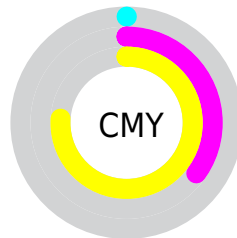


Cyan (0%)

Magenta (35%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6918, 48.8587, 10.7704 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 55.6918, 48.8587, 10.7704 by changing the saturation by 10% instead.


 55.6918, 48.8587,
10.7704


 55.6918, 48.8587,
10.7704


398.6229,
382.1858, 206.7661

 40.1919, 34.5074,
5.8004


 97.6962, 88.4816,
27.8649

 27.8731, 23.2837,
2.6573


 124.9315,
114.5219, 40.8266


 18.3700, 14.8031,
0.9218


 156.8092,
145.2274, 57.2892

 11.3172, 8.6813,
0.0000

 193.6948,
180.9824, 77.6714

 6.3495, 4.5339,
0.0000

 235.9537,
222.1714, 102.3916

 3.1014, 1.9765,
0.0000

283.9510,

 1.2076, 0.5938,

269.1787, 131.8685

0.0000

338.0523,
322.3887, 166.5204

■ 0.1124, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.6918, 48.8587,
10.7704

■ 55.6918, 48.8587,
10.7704

■ 53.1524, 44.6117,
7.3612

■ 58.7493, 53.6234,
15.9535

■ 51.0713, 40.8441,
5.4505

■ 62.3675, 58.9245,
23.1264

■ 50.4178, 39.6160,
4.9894

■ 66.5875, 64.7878,
32.4764

■ 71.4447, 71.2349,
44.1682

■ 76.9715, 78.2857,
58.3505

■ 83.1977, 85.9589,
75.1596

■ 90.1512, 94.2722,
94.7219

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



68.1937, 48.8587, 19.9012



55.6918, 48.8587, 10.7704



42.5817, 48.8587, 9.5669

Triad

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



55.6918, 48.8587, 10.7704



26.1500, 48.8587, 65.3947



63.8177, 48.8587, 128.4578

Complementary

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



55.6918, 48.8587, 10.7704



30.6603, 29.6742, 98.7186

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.



50.5219, 48.8587, 157.3840



55.6918, 48.8587, 10.7704



29.8857, 48.8587, 111.4245

Square

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



55.6918, 48.8587, 10.7704



27.0237, 48.8587, 31.9729



38.2719, 48.8587, 150.0223



73.4510, 48.8587, 82.2021

Rectangle

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



55.6918, 48.8587, 10.7704



35.4166, 48.8587, 12.3789



38.2719, 48.8587, 150.0223



59.5388, 48.8587, 141.3131

Sweetspot

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



55.6929, 48.8612, 10.7713



79.0514, 80.8768, 63.8780



48.4417, 26.7263, 31.8844



16.4572, 16.7339, 12.4420



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.



55.6929, 48.8612, 10.7713



51.9493, 42.4709, 6.1403



75.4640, 91.8935, 18.0353



18.8276, 19.6235, 18.9397



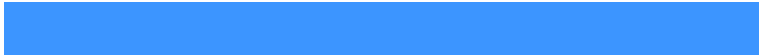
26.4958, 21.0029, 2.6575



2.6891, 2.2635, 0.2952

Inverse Universe

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



30.6603, 29.6742, 98.7186



25.9965, 22.6725, 97.6138



21.9467, 11.6279, 95.6946



17.6859, 18.7435, 22.9357



12.8626, 10.6348, 50.8094



1.3600, 1.2507, 4.9830

Previews

White Background



This preview shows how the XYZ color 55.6918, 48.8587, 10.7704 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 55.6918, 48.8587, 10.7704 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 55.6918, 48.8587, 10.7704

Background



This preview shows how black text looks on a background with the XYZ color 55.6918, 48.8587, 10.7704.



This preview shows how white text looks on a background with the XYZ color 55.6918, 48.8587,

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

55.6918, 48.8587, 10.7704

Protanopia

44.5255, 48.9094, 12.0947

Deuteranopia

50.0402, 49.0534, 10.5722



Tritanopia

60.7996, 48.9208, 43.7743

Trichromacy



Original Color

55.6918, 48.8587, 10.7704

Protanomaly

48.0686, 48.6066, 11.5512

Deuteranomaly

51.9577, 48.8833, 10.5679

Tritanomaly

58.1228, 48.6856, 27.1027

Monochromacy



Original Color

55.6918, 48.8587, 10.7704

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

46.0531, 46.2667, 30.1700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6918, 48.8587, 10.7704 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, 166, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 60)  
}
```

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, 166, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 60) }
```

Border

The CSS property to change the border of an element to XYZ 55.6918, 48.8587, 10.7704 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, 166, 60) }
```


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

```
.border{ border-color:rgb(255, 166, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6918, 48.8587, 10.7704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 60) }
```

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

```
.background{ background-color: rgb(255,  
166, 60) }
```

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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