

Converting Colors

XYZ(68.3740, 54.8483, 12.2504)

Have a look what the booklet for
XYZ(68.3740, 54.8483, 12.2504)
contains.

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Color

**XYZ(55.5286, 48.2162,
11.6902)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA443
RGB	255, 164, 67
RGB Percent	100%, 64%, 26%
CMY	0.0000, 0.3568, 0.7372
CMYK	0.00, 0.36, 0.74, 0.00
HSL	31°, 100%, 63%
HSV	31°, 74%, 100%
XYZ	55.5286, 48.2162, 11.6902
YIQ	180.1510, 85.3730, -10.8750

Conversions

Conversions Part 2

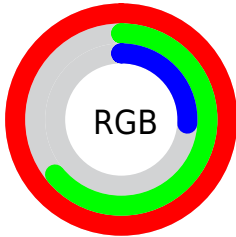
Format	Color
RYB	243, 255, 67
Decimal	16753731
CIELab	74.96, 25.91, 61.77
CIELCh	75, 66.988, 67.242
Yxy	48.2162, 0.4810, 0.4177
Android (android.graphics.Color)	4294943811 (0xFFFFA443)
YUV	180.1510, -55.7834, 65.6426
Hunter-Lab	69.4379, 21.2279, 38.6248

Details

The XYZ color **55.5286, 48.2162, 11.6902** 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 **32.5909, 32.8654, 99.2330**, and the grayscale version is **43.7231, 46.0001, 50.0941**.

A 20% lighter version of the original color is **69.9617, 73.2791, 28.2262**, and **27.7974, 22.9302, 3.0183** is the 20% darker color. If you saturate the color by 10%, you get **52.8228, 43.7714, 7.8088**, and if you desaturate by 10%, it is **58.7875, 53.2293, 17.4168**.

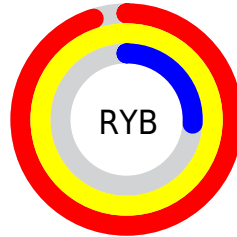
Distribution



Red (100%)

Green (64%)

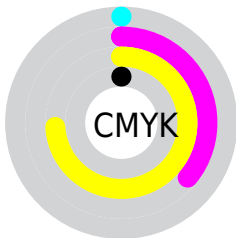
Blue (26%)



Red (95%)

Yellow (100%)

Blue (26%)

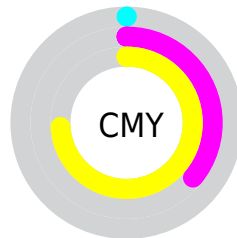


Cyan (0%)

Magenta (36%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5286, 48.2162, 11.6902 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 55.5286, 48.2162, 11.6902 by changing the saturation by 10% instead.


 55.5286, 48.2162,
11.6902


 55.5286, 48.2162,
11.6902


398.0165,
379.6485, 213.2480

 40.0606, 33.9981,
6.4131


 97.4588, 87.5262,
29.5855


 27.7702, 22.8922,
3.0251


 124.6518,
113.3870, 43.0408


 18.2921, 14.5139,
1.1074


 156.4837,
143.8974, 60.0593

 11.2609, 8.4790,
0.0000

 193.3201,
179.4419, 81.0595

 6.3112, 4.4029,
0.0000

 235.5262,
220.4048, 106.4599

 3.0776, 1.9014,
0.0000

283.4674,

 1.1950, 0.5492,

267.1706, 136.6791

0.0000

337.5090,
320.1237, 172.1356

■ 0.1024, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.5286, 48.2162,
11.6902

■ 55.5286, 48.2162,
11.6902

■ 52.8228, 43.7714,
7.8088

■ 58.7875, 53.2293,
17.4168

■ 50.6127, 39.8562,
5.5158

■ 62.6413, 58.8306,
25.1944

■ 49.4337, 37.6479,
4.6613

■ 67.1304, 65.0474,
35.2041

■ 72.2904, 71.9025,
47.6060

■ 78.1537, 79.4172,
62.5454

■ 84.7505, 87.6117,
80.1559

■ 92.1089, 96.5050,
100.5617

■ 95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



67.1867, 48.2162, 21.4039



55.5286, 48.2162, 11.6902



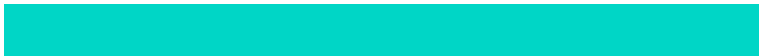
42.9302, 48.2162, 10.0469

Triad

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



55.5286, 48.2162, 11.6902



26.2521, 48.2162, 61.4447



61.5643, 48.2162, 126.3292

Complementary

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



55.5286, 48.2162, 11.6902



32.5909, 32.8654, 99.2330

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.



48.8535, 48.2162, 151.5079



55.5286, 48.2162, 11.6902



29.5563, 48.2162, 104.6428

Square

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



55.5286, 48.2162, 11.6902



27.4005, 48.2162, 30.5386



37.3286, 48.2162, 142.1779



71.0811, 48.2162, 83.0598

Rectangle

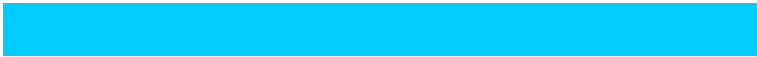
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.5286, 48.2162, 11.6902



35.8946, 48.2162, 12.5266



37.3286, 48.2162, 142.1779



57.4434, 48.2162, 137.8995

Sweetspot

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



55.5297, 48.2187, 11.6911



79.2385, 80.7816, 65.3881



49.6802, 27.8478, 36.4755



16.5974, 16.8334, 13.0466



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.



55.5297, 48.2187, 11.6911



51.8209, 42.0345, 6.6511



78.0127, 93.1846, 19.1854



18.7846, 19.5374, 18.9254



25.9807, 19.9726, 2.4858



2.6391, 2.1635, 0.2785

Inverse Universe

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



32.5909, 32.8654, 99.2330



27.8664, 26.0318, 98.1637



22.3722, 12.4280, 95.8268



17.7286, 18.8289, 22.9499



13.3080, 11.5255, 50.9578



1.4045, 1.3398, 4.9978

Previews

White Background



This preview shows how the XYZ color 55.5286, 48.2162, 11.6902 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 55.5286, 48.2162, 11.6902 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 55.5286, 48.2162, 11.6902

Background



This preview shows how black text looks on a background with the XYZ color 55.5286, 48.2162, 11.6902.



This preview shows how white text looks on a background with the XYZ color 55.5286, 48.2162,

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

55.5286, 48.2162, 11.6902

Protanopia

44.0052, 48.3008, 13.3070

Deuteranopia

49.3775, 48.3985, 11.4420



Tritanopia

60.2720, 48.1640, 42.6791

Trichromacy



Original Color

55.5286, 48.2162, 11.6902

Protanomaly

47.5999, 47.7465, 12.6684

Deuteranomaly

51.6131, 48.4005, 11.4724

Tritanomaly

57.9075, 48.0403, 27.6934

Monochromacy



Original Color

55.5286, 48.2162, 11.6902

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.5284, 45.4016, 30.7899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5286, 48.2162, 11.6902 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, 164, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 67)  
}
```

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, 164, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 67) }
```

Border

The CSS property to change the border of an element to XYZ 55.5286, 48.2162, 11.6902 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, 164, 67) }
```


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

```
.border{ border-color:rgb(255, 164, 67) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5286, 48.2162, 11.6902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 67) }
```

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

```
.background{ background-color: rgb(255,  
164, 67) }
```

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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