

Converting Colors

XYZ(56.0721, 48.8449, 13.2841)

Have a look what the booklet for
XYZ(56.0721, 48.8449, 13.2841)
contains.

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Color

**XYZ(55.9996, 48.6921,
13.2845)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA54C
RGB	255, 165, 76
RGB Percent	100%, 65%, 30%
CMY	0.0000, 0.3529, 0.7020
CMYK	0.00, 0.35, 0.70, 0.00
HSL	30°, 100%, 65%
HSV	30°, 70%, 100%
XYZ	55.9996, 48.6921, 13.2845
YIQ	181.7640, 82.2090, -8.5990

Conversions

Conversions Part 2

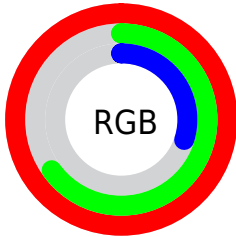
Format	Color
RYB	255, 253, 76
Decimal	16753996
CIELab	75.26, 25.81, 58.15
CIELCh	75, 63.617, 66.068
Yxy	48.6921, 0.4747, 0.4127
Android (android.graphics.Color)	4294944076 (0xFFFFA54C)
YUV	181.7640, -52.1417, 64.2280
Hunter-Lab	69.7797, 21.1352, 37.5583

Details

The XYZ color **55.9996, 48.6921, 13.2845** 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 **34.6657, 36.0269, 99.7338**, and the grayscale version is **44.5796, 46.9012, 51.0755**.

A 20% lighter version of the original color is **70.7956, 74.0314, 31.3270**, and **28.0328, 23.2019, 3.7104** is the 20% darker color. If you saturate the color by 10%, you get **53.0849, 44.0117, 8.7720**, and if you desaturate by 10%, it is **59.4994, 53.9815, 19.7249**.

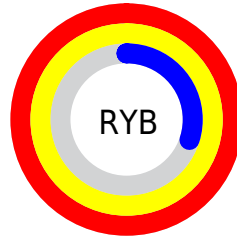
Distribution



Red (100%)

Green (65%)

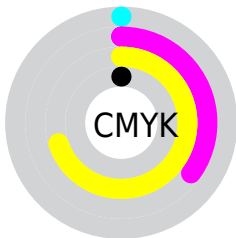
Blue (30%)



Red (100%)

Yellow (99%)

Blue (30%)

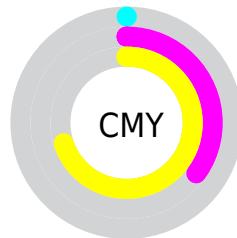


Cyan (0%)

Magenta (35%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9996, 48.6921, 13.2845 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 55.9996, 48.6921, 13.2845 by changing the saturation by 10% instead.

55.9996, 48.6921,
13.2845

55.9996, 48.6921,
13.2845

399.7650,
381.5289, 224.0045

40.4396, 34.3753,
7.4917

98.1438, 88.2340,
32.5126

28.0672, 23.1821,
3.6884

125.4587,
114.2279, 46.7850

18.5170, 14.7280,
1.4560

157.4227,
144.8829, 64.7211

11.4238, 8.6287,
0.1848

194.4010,
180.5834, 86.7393

6.4220, 4.4998,
0.0000

236.7590,
221.7139, 113.2582

3.1464, 1.9569,
0.0000

284.8621,

1.2317, 0.5822,

268.6587, 144.6963

0.0000

339.0757,
321.8023, 181.4722

■ 0.1311, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9996, 48.6921,
13.2845

■ 55.9996, 48.6921,
13.2845

■ 53.0849, 44.0117,
8.7720

■ 59.4994, 53.9815,
19.7249

■ 50.7010, 39.9017,
5.9494

■ 63.6247, 59.9004,
28.2881

■ 48.8028, 36.3860,
4.4510

■ 68.4151, 66.4766,
39.1474

■ 73.9056, 73.7339,
52.4575

80.1285, 81.6944,
68.3596

87.1138, 90.3790,
86.9838

94.8896, 99.8079,
108.4516

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



66.9069, 48.6921, 23.4535



55.9996, 48.6921, 13.2845



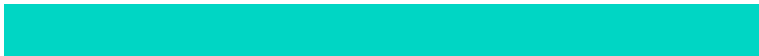
43.9469, 48.6921, 11.3345

Triad

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



55.9996, 48.6921, 13.2845



27.3501, 48.6921, 60.1106



60.7993, 48.6921, 123.8379

Complementary

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



55.9996, 48.6921, 13.2845



34.6657, 36.0269, 99.7338

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.



48.6950, 48.6921, 146.1216



55.9996, 48.6921, 13.2845



30.3994, 48.6921, 100.6069

Square

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



55.9996, 48.6921, 13.2845



28.6407, 48.6921, 30.9756



37.7563, 48.6921, 136.1959



69.9880, 48.6921, 83.6161

Rectangle

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



55.9996, 48.6921, 13.2845



37.0975, 48.6921, 13.6914



37.7563, 48.6921, 136.1959



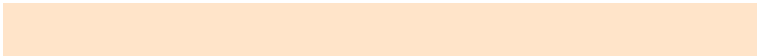
56.8658, 48.6921, 134.3036

Sweetspot

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



56.0007, 48.6946, 13.2854



79.6003, 81.0276, 66.9808



50.9374, 29.2743, 40.2485



16.6575, 16.8609, 13.3526



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.



56.0007, 48.6946, 13.2854



52.1187, 42.3825, 7.5133



77.3596, 91.4124, 20.4050



18.7555, 19.4792, 18.9157



25.6498, 19.3108, 2.3755



2.6066, 2.0985, 0.2677

Inverse Universe

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



34.6657, 36.0269, 99.7338



29.6235, 29.0214, 98.6481



23.8255, 14.3465, 96.1203



17.7577, 18.8870, 22.9596



13.6283, 12.1662, 51.0646



1.4362, 1.4031, 5.0084

Previews

White Background



This preview shows how the XYZ color 55.9996, 48.6921, 13.2845 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 55.9996, 48.6921, 13.2845 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 55.9996, 48.6921, 13.2845

Background



This preview shows how black text looks on a background with the XYZ color 55.9996, 48.6921, 13.2845.



This preview shows how white text looks on a background with the XYZ color 55.9996, 48.6921,

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

55.9996, 48.6921, 13.2845

Protanopia

44.5355, 48.8488, 15.0641

Deuteranopia

49.8797, 48.9142, 13.1158



Tritanopia

60.6283, 48.5783, 43.7172

Trichromacy



Original Color

55.9996, 48.6921, 13.2845

Protanomaly

48.1088, 48.2673, 14.3703

Deuteranomaly

52.1148, 48.9068, 13.1718

Tritanomaly

58.3580, 48.4990, 29.2071

Monochromacy



Original Color

55.9996, 48.6921, 13.2845

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.7778, 46.5891, 32.5138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9996, 48.6921, 13.2845 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, 165, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 76)  
}
```

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, 165, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 76) }
```

Border

The CSS property to change the border of an element to XYZ 55.9996, 48.6921, 13.2845 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, 165, 76) }
```


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

```
.border{ border-color:rgb(255, 165, 76) }
```

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

Here you see how a box with a 4 pixel rgb(255, 165, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9996, 48.6921, 13.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 76) }
```

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

```
.background{ background-color: rgb(255,  
165, 76) }
```

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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