

Converting Colors

XYZ(55.2274, 48.6004, 8.5498)

Have a look what the booklet for
XYZ(55.2274, 48.6004, 8.5498)
contains.

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Color

**XYZ(55.2765, 48.6925,
8.5830)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA629
RGB	255, 166, 41
RGB Percent	100%, 65%, 16%
CMY	0.0000, 0.3490, 0.8392
CMYK	0.00, 0.35, 0.84, 0.00
HSL	35°, 100%, 58%
HSV	35°, 84%, 100%
XYZ	55.2765, 48.6925, 8.5830
YIQ	178.3610, 93.1690, -20.0070

Conversions

Conversions Part 2

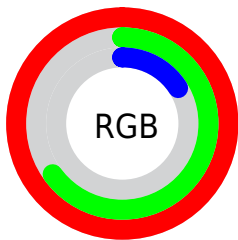
Format	Color
RYB	193, 255, 41
Decimal	16754217
CIELab	75.26, 23.99, 71.59
CIElCh	75, 75.503, 71.472
Yxy	48.6925, 0.4911, 0.4326
Android (android.graphics.Color)	4294944297 (0xFFFFA629)
YUV	178.3610, -67.7190, 67.2124
Hunter-Lab	69.7800, 19.2844, 41.5533

Details

The XYZ color **55.2765, 48.6925, 8.5830** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **26.9468, 23.6560, 97.7530**, and the grayscale version is **42.8230, 45.0531, 49.0628**.

A 20% lighter version of the original color is **69.3486, 73.8738, 22.4084**, and **27.7555, 23.2411, 3.0231** is the 20% darker color. If you saturate the color by 10%, you get **53.1181, 44.8727, 6.3327**, and if you desaturate by 10%, it is **57.8836, 52.9502, 12.4023**.

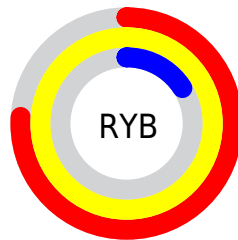
Distribution



Red (100%)

Green (65%)

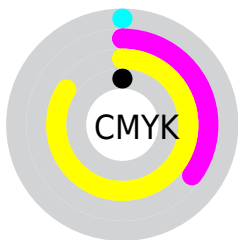
Blue (16%)



Red (76%)

Yellow (100%)

Blue (16%)

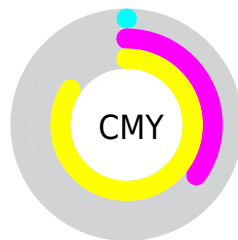


Cyan (0%)

Magenta (35%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2765, 48.6925, 8.5830 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 55.2765, 48.6925, 8.5830 by changing the saturation by 10% instead.


 55.2765, 48.6925,
8.5830


 55.2765, 48.6925,
8.5830


397.0786,
381.5305, 190.3380

 39.8579, 34.3756,
4.3771


 97.0919, 88.2346,
23.6584


 27.6115, 23.1823,
1.8344


 124.2194,
114.2286, 35.3651


 18.1719, 14.7282,
0.4505


 155.9805,
144.8837, 50.4091

 11.1739, 8.6288,
0.0000

 192.7407,
180.5844, 69.2089

 6.2521, 4.4999,
0.0000

 234.8652,
221.7150, 92.1832

 3.0411, 1.9569,
0.0000

 282.7195,

 1.1755, 0.5823,

268.6600, 119.7504

0.0000

336.6688,
321.8037, 152.3292

■ 0.0869, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2765, 48.6925,
8.5830

■ 55.2765, 48.6925,
8.5830

■ 53.1181, 44.8727,
6.3327


■ 57.8836, 52.9502,
12.4023


■ 51.9800, 42.7404,
5.5101


■ 60.9879, 57.6650,
18.0424


■ 64.6335, 62.8623,
25.7127

■ 68.8577, 68.5624,
35.5931

 73.6940, 74.7843,
47.8434

 79.1729, 81.5452,
62.6085

 85.3228, 88.8616,
80.0216

 92.1700, 96.7489,
100.2062

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.



69.2587, 48.6925, 16.8337



55.2765, 48.6925, 8.5830



41.1803, 48.6925, 7.8808

Triad

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



55.2765, 48.6925, 8.5830



24.7680, 48.6925, 69.6921



66.2682, 48.6925, 133.2324

Complementary

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



55.2765, 48.6925, 8.5830



26.9468, 23.6560, 97.7530

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.



51.7859, 48.6925, 168.5071



55.2765, 48.6925, 8.5830



29.0465, 48.6925, 121.3273

Square

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



55.2765, 48.6925, 8.5830



25.3319, 48.6925, 32.2746



38.3181, 48.6925, 163.3055



76.4272, 48.6925, 81.1579

Rectangle

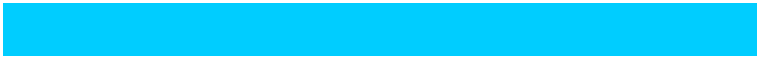
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.2765, 48.6925, 8.5830



33.7151, 48.6925, 10.9290



38.3181, 48.6925, 163.3055



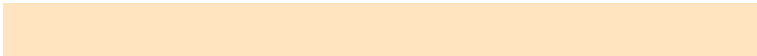
61.6349, 48.6925, 148.3911

Sweetspot

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



55.2776, 48.6950, 8.5839



78.5496, 80.7887, 60.8884



46.0735, 24.4623, 23.4721



16.3901, 16.7748, 11.8803



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.



55.2776, 48.6950, 8.5839



51.9803, 42.7407, 5.5101



71.1408, 89.7129, 15.6651



18.8910, 19.7503, 18.9608



27.3117, 22.6346, 2.9294



2.7672, 2.4197, 0.3212

Inverse Universe

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



26.9468, 23.6560, 97.7530



23.2087, 17.5373, 96.7696



20.6370, 9.7310, 95.3978



17.6236, 18.6188, 22.9149



12.2662, 9.4419, 50.6106



1.2991, 1.1290, 4.9627

Previews

White Background



This preview shows how the XYZ color 55.2765, 48.6925, 8.5830 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 55.2765, 48.6925, 8.5830 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 55.2765, 48.6925, 8.5830

Background



This preview shows how black text looks on a background with the XYZ color 55.2765, 48.6925, 8.5830.



This preview shows how white text looks on a background with the XYZ color 55.2765, 48.6925,

8.5830.

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

55.2765, 48.6925, 8.5830

Protanopia

44.3465, 48.8704, 9.6804

Deuteranopia

49.7604, 48.6644, 8.3606



Tritanopia

60.5347, 48.5409, 43.2246

Trichromacy



Original Color

55.2765, 48.6925, 8.5830

Protanomaly

47.9388, 48.5908, 9.2352

Deuteranomaly

51.7044, 48.5159, 8.3896

Tritanomaly

57.4977, 48.1549, 24.6767

Monochromacy



Original Color

55.2765, 48.6925, 8.5830

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.4859, 44.9524, 26.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2765, 48.6925, 8.5830 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 41) }
```

Border

The CSS property to change the border of an element to XYZ 55.2765, 48.6925, 8.5830 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, 41) }
```


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

```
.border{ border-color:rgb(255, 166, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 41);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2765, 48.6925, 8.5830 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, 41) }
```

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

```
.background{ background-color: rgb(255,  
166, 41) }
```

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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