

Converting Colors

XYZ(71.6421, 57.0334, 9.2146)

Have a look what the booklet for
XYZ(71.6421, 57.0334, 9.2146)
contains.

XYZ(55.2592, 48.6856, 8.4923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.2592, 48.6856,
8.4923)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA628
RGB	255, 166, 40
RGB Percent	100%, 65%, 16%
CMY	0.0000, 0.3490, 0.8431
CMYK	0.00, 0.35, 0.84, 0.00
HSL	35°, 100%, 58%
HSV	35°, 84%, 100%
XYZ	55.2592, 48.6856, 8.4923
YIQ	178.2470, 93.4900, -20.3180

Conversions

Conversions Part 2

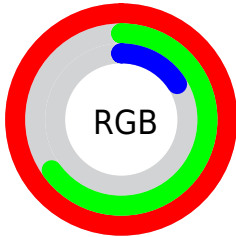
Format	Color
RYB	192, 255, 40
Decimal	16754216
CIELab	75.26, 23.97, 71.89
CIELCh	75, 75.776, 71.561
Yxy	48.6856, 0.4915, 0.4330
Android (android.graphics.Color)	4294944296 (0xFFFFA628)
YUV	178.2470, -68.1558, 67.3124
Hunter-Lab	69.7751, 19.2588, 41.6264

Details

The XYZ color **55.2592, 48.6856, 8.4923** 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 **26.7751, 23.3711, 97.7068**, and the grayscale version is **42.7644, 44.9915, 48.9958**.

A 20% lighter version of the original color is **69.3011, 73.8547, 22.1581**, and **27.7555, 23.2411, 3.0231** is the 20% darker color. If you saturate the color by 10%, you get **53.1191, 44.8864, 6.2979**, and if you desaturate by 10%, it is **57.8443, 52.9190, 12.2438**.

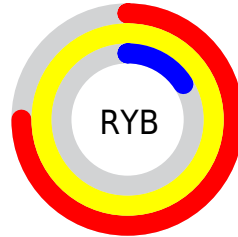
Distribution



Red (100%)

Green (65%)

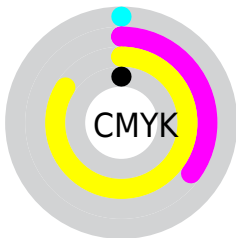
Blue (16%)



Red (75%)

Yellow (100%)

Blue (16%)

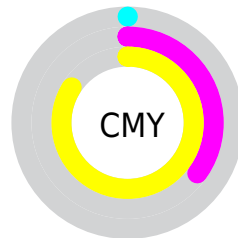


Cyan (0%)

Magenta (35%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2592, 48.6856, 8.4923 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 55.2592, 48.6856, 8.4923 by changing the saturation by 10% instead.


 55.2592, 48.6856,
8.4923


 55.2592, 48.6856,
8.4923


397.0142,
381.5033, 189.6204

 39.8439, 34.3701,
4.3193


 97.0667, 88.2243,
23.4799


 27.6006, 23.1781,
1.8021


 124.1897,
114.2164, 35.1317


 18.1637, 14.7251,
0.4293


 155.9460,
144.8694, 50.1134

 11.1680, 8.6267,
0.0000

 192.7009,
180.5678, 68.8436

 6.2481, 4.4985,
0.0000

 234.8198,
221.6961, 91.7408

 3.0386, 1.9561,
0.0000

 282.6681,

 1.1742, 0.5818,

268.6384, 119.2237

0.0000

336.6111,
321.7794, 151.7107

■ 0.0859, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2592, 48.6856,
8.4923

■ 55.2592, 48.6856,
8.4923

■ 53.1191, 44.8864,
6.2979


■ 57.8443, 52.9190,
12.2438


■ 52.0581, 42.8967,
5.5361


■ 60.9235, 57.6058,
17.8068


■ 64.5409, 62.7712,
25.3919

■ 68.7340, 68.4359,
35.1800

 73.5364, 74.6184,
47.3316

 78.9788, 81.3362,
61.9919

 85.0894, 88.6056,
79.2946

 91.8946, 96.4420,
99.3637

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.



69.3085, 48.6856, 16.7042



55.2592, 48.6856, 8.4923



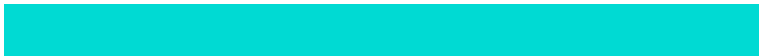
41.1189, 48.6856, 7.8098

Triad

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



55.2592, 48.6856, 8.4923



24.7071, 48.6856, 69.8888



66.3804, 48.6856, 133.4545

Complementary

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



55.2592, 48.6856, 8.4923



26.7751, 23.3711, 97.7068

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.



51.8433, 48.6856, 169.0237



55.2592, 48.6856, 8.4923



29.0091, 48.6856, 121.7863

Square

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



55.2592, 48.6856, 8.4923



25.2577, 48.6856, 32.2873



38.3201, 48.6856, 163.9232



76.5639, 48.6856, 81.1144

Rectangle

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



55.2592, 48.6856, 8.4923



33.6405, 48.6856, 10.8662



38.3201, 48.6856, 163.9232



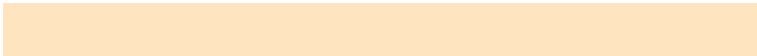
61.7307, 48.6856, 148.7196

Sweetspot

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



55.2603, 48.6881, 8.4932



78.5836, 80.8568, 60.8997



46.0002, 24.3784, 23.2548



16.3983, 16.7910, 11.8830



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.



55.2603, 48.6881, 8.4932



52.0585, 42.8970, 5.5362



71.0956, 89.6915, 15.5730



18.8941, 19.7563, 18.9619



27.3525, 22.7162, 2.9430



2.7710, 2.4274, 0.3225

Inverse Universe

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



26.7751, 23.3711, 97.7068



23.1580, 17.4359, 96.7527



20.5492, 9.6351, 95.3837



17.6206, 18.6129, 22.9139



12.2393, 9.3882, 50.6016



1.2964, 1.1234, 4.9618

Previews

White Background



This preview shows how the XYZ color 55.2592, 48.6856, 8.4923 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 55.2592, 48.6856, 8.4923 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 55.2592, 48.6856, 8.4923

Background



This preview shows how black text looks on a background with the XYZ color 55.2592, 48.6856, 8.4923.



This preview shows how white text looks on a background with the XYZ color 55.2592, 48.6856,

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

55.2592, 48.6856, 8.4923

Protanopia

44.3271, 48.8626, 9.5778

Deuteranopia

49.7458, 48.6586, 8.2835



Tritanopia

60.5347, 48.5409, 43.2246

Trichromacy



Original Color

55.2592, 48.6856, 8.4923

Protanomaly

47.9202, 48.5834, 9.1374

Deuteranomaly

51.6889, 48.5097, 8.3081

Tritanomaly

57.4361, 48.1302, 24.3520

Monochromacy



Original Color

55.2592, 48.6856, 8.4923

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 55.2592, 48.6856, 8.4923 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 40) }
```

Border

The CSS property to change the border of an element to XYZ 55.2592, 48.6856, 8.4923 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, 40) }
```


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

```
.border{ border-color:rgb(255, 166, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2592, 48.6856, 8.4923 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, 40) }
```

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

```
.background{ background-color: rgb(255,  
166, 40) }
```

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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