

Converting Colors

XYZ(55.2949, 48.7855, 8.4164)

Have a look what the booklet for
XYZ(55.2949, 48.7855, 8.4164)
contains.

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Color

**XYZ(55.2424, 48.6789,
8.4038)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA627
RGB	255, 166, 39
RGB Percent	100%, 65%, 15%
CMY	0.0000, 0.3490, 0.8470
CMYK	0.00, 0.35, 0.85, 0.00
HSL	35°, 100%, 58%
HSV	35°, 85%, 100%
XYZ	55.2424, 48.6789, 8.4038
YIQ	178.1330, 93.8110, -20.6290

Conversions

Conversions Part 2

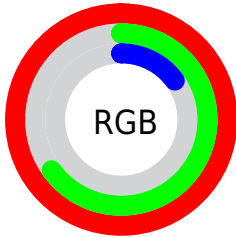
Format	Color
RYB	190, 255, 39
Decimal	16754215
CIELab	75.25, 23.94, 72.18
CIElCh	75, 76.044, 71.647
Yxy	48.6789, 0.4918, 0.4334
Android (android.graphics.Color)	4294944295 (0xFFFFA627)
YUV	178.1330, -68.5926, 67.4124
Hunter-Lab	69.7703, 19.2340, 41.6977

Details

The XYZ color **55.2424, 48.6789, 8.4038** 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 **26.6055, 23.0889, 97.6613**, and the grayscale version is **42.7059, 44.9299, 48.9287**.

A 20% lighter version of the original color is **69.2541, 73.8360, 21.9109**, and **27.7555, 23.2411, 3.0231** is the 20% darker color. If you saturate the color by 10%, you get **53.1205, 44.9000, 6.2649**, and if you desaturate by 10%, it is **57.8057, 52.8882, 12.0879**.

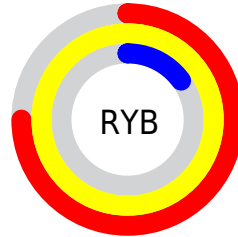
Distribution



Red (100%)

Green (65%)

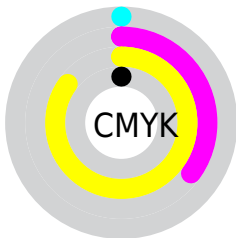
Blue (15%)



Red (75%)

Yellow (100%)

Blue (15%)

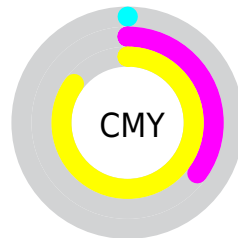


Cyan (0%)

Magenta (35%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2424, 48.6789, 8.4038 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 55.2424, 48.6789, 8.4038 by changing the saturation by 10% instead.


 55.2424, 48.6789,
8.4038


 55.2424, 48.6789,
8.4038


396.9516,
381.4768, 188.9171


 39.8304, 34.3648,
4.2629


 97.0423, 88.2144,
23.3054


 27.5900, 23.1740,
1.7707


 124.1609,
114.2045, 34.9033


 18.1557, 14.7221,
0.4085


 155.9124,
144.8556, 49.8239

 11.1622, 8.6245,
0.0000

 192.6623,
180.5518, 68.4858

 6.2441, 4.4971,
0.0000

 234.7758,
221.6776, 91.3075

 3.0362, 1.9553,
0.0000

 282.6182,

 1.1729, 0.5813,

268.6175, 118.7076

0.0000

336.5551,
321.7558, 151.1046

■ 0.0848, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2424, 48.6789,
8.4038

■ 55.2424, 48.6789,
8.4038

■ 53.1205, 44.9000,
6.2649


■ 57.8057, 52.8882,
12.0879


■ 52.1359, 43.0523,
5.5621


■ 60.8598, 57.5471,
17.5740


■ 64.4492, 62.6811,
25.0742

■ 68.6115, 68.3105,
34.7702

 73.3802, 74.4541,
46.8231

 78.7863, 81.1291,
61.3788

 84.8578, 88.3519,
78.5713

 91.6213, 96.1379,
98.5250

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.



69.3576, 48.6789, 16.5777



55.2424, 48.6789, 8.4038



41.0588, 48.6789, 7.7405

Triad

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



55.2424, 48.6789, 8.4038



24.6473, 48.6789, 70.0824



66.4908, 48.6789, 133.6737

Complementary

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



55.2424, 48.6789, 8.4038



26.6055, 23.0889, 97.6613

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.



51.8998, 48.6789, 169.5330



55.2424, 48.6789, 8.4038



28.9723, 48.6789, 122.2385

Square

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



55.2424, 48.6789, 8.4038



25.1850, 48.6789, 32.2997



38.3220, 48.6789, 164.5320



76.6986, 48.6789, 81.0722

Rectangle

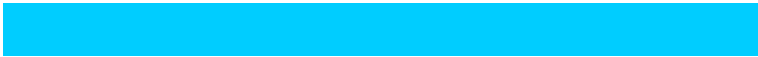
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.2424, 48.6789, 8.4038



33.5674, 48.6789, 10.8047



38.3220, 48.6789, 164.5320



61.8249, 48.6789, 149.0436

Sweetspot

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



55.2435, 48.6814, 8.4047



78.6174, 80.9243, 60.9110



45.9280, 24.2962, 23.0387



16.4063, 16.8072, 11.8857



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.



55.2435, 48.6814, 8.4047



52.1363, 43.0527, 5.5621



71.0509, 89.6704, 15.4832



18.8971, 19.7623, 18.9629



27.3931, 22.7974, 2.9566



2.7749, 2.4351, 0.3238

Inverse Universe

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



26.6055, 23.0889, 97.6613



23.1080, 17.3359, 96.7360



20.4631, 9.5413, 95.3701



17.6177, 18.6070, 22.9129



12.2129, 9.3353, 50.5928



1.2936, 1.1179, 4.9609

Previews

White Background



This preview shows how the XYZ color 55.2424, 48.6789, 8.4038 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 55.2424, 48.6789, 8.4038 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 55.2424, 48.6789, 8.4038

Background



This preview shows how black text looks on a background with the XYZ color 55.2424, 48.6789, 8.4038.



This preview shows how white text looks on a background with the XYZ color 55.2424, 48.6789,

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

55.2424, 48.6789, 8.4038

Protanopia

44.3080, 48.8550, 9.4775

Deuteranopia

49.7315, 48.6529, 8.2087



Tritanopia

60.5347, 48.5409, 43.2246

Trichromacy



Original Color

55.2424, 48.6789, 8.4038

Protanomaly

47.9020, 48.5761, 9.0419

Deuteranomaly

51.6738, 48.5036, 8.2287

Tritanomaly

57.4361, 48.1302, 24.3520

Monochromacy



Original Color

55.2424, 48.6789, 8.4038

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.4204, 44.9262, 26.4091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2424, 48.6789, 8.4038 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 39) }
```

Border

The CSS property to change the border of an element to XYZ 55.2424, 48.6789, 8.4038 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, 39) }
```


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

```
.border{ border-color:rgb(255, 166, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2424, 48.6789, 8.4038 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, 39) }
```

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

```
.background{ background-color: rgb(255,  
166, 39) }
```

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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