

Converting Colors

XYZ(55.4508, 48.7256, 9.6144)

Have a look what the booklet for
XYZ(55.4508, 48.7256, 9.6144)
contains.

XYZ(55.4738, 48.7715, 9.6220)	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(55.4738, 48.7715,
9.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA633
RGB	255, 166, 51
RGB Percent	100%, 65%, 20%
CMY	0.0000, 0.3490, 0.8000
CMYK	0.00, 0.35, 0.80, 0.00
HSL	34°, 100%, 60%
HSV	34°, 80%, 100%
XYZ	55.4738, 48.7715, 9.6220
YIQ	179.5010, 89.9590, -16.8970

Conversions

Conversions Part 2

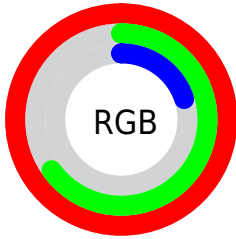
Format	Color
R _Y B	209, 255, 51
Decimal	16754227
CIE Lab	75.31, 24.28, 68.35
CIE LCh	75, 72.529, 70.445
Yxy	48.7715, 0.4872, 0.4283
Android (android.graphics.Color)	4294944307 (0xFFFFA633)
YUV	179.5010, -63.3510, 66.2126
Hunter-Lab	69.8366, 19.5751, 40.7167

Details

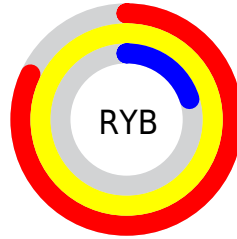
The XYZ color **55.4738, 48.7715, 9.6220** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **28.7928, 26.6788, 98.2391**, and the grayscale version is **43.4111, 45.6719, 49.7367**.

A 20% lighter version of the original color is **69.6980, 74.0135, 24.2482**, and **28.0096, 23.3721, 3.0350** is the 20% darker color. If you saturate the color by 10%, you get **53.1226, 44.7360, 6.7835**, and if you desaturate by 10%, it is **58.3100, 53.2850, 14.1414**.

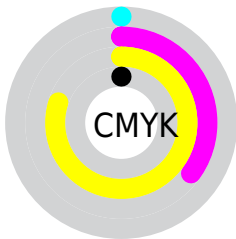
Distribution



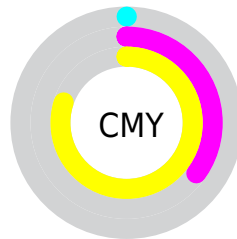
- Red (100%)
- Green (65%)
- Blue (20%)



- Red (82%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4738, 48.7715, 9.6220 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 55.4738, 48.7715, 9.6220 by changing the saturation by 10% instead.


 55.4738, 48.7715,
9.6220


 55.4738, 48.7715,
9.6220


397.8127,
381.8421, 198.3383

 40.0165, 34.4383,
5.0468

 97.3791, 88.3520,
25.6787


 27.7357, 23.2305,
2.2155


 124.5578,
114.3680, 37.9971


 18.2660, 14.7638,
0.6833


 156.3744,
145.0471, 53.7338

 11.2419, 8.6538,
0.0000

 193.1942,
180.7736, 73.3071

 6.2983, 4.5160,
0.0000

 235.3826,
221.9320, 97.1357

 3.0697, 1.9662,
0.0000

 283.3049,

 1.1907, 0.5877,

268.9066, 125.6381

0.0000

337.3265,
322.0818, 159.2328

■ 0.0990, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.4738, 48.7715,
9.6220

■ 55.4738, 48.7715,
9.6220

■ 53.1226, 44.7360,
6.7835

■ 58.3100, 53.2850,
14.1414

■ 51.1765, 41.1334,
5.2424

■ 61.6761, 58.2951,
20.5727

■ 51.1762, 41.1329,
5.2422

■ 65.6144, 63.8273,
29.1129

■ 70.1611, 69.9024,
39.9332

■ 75.3489, 76.5398,
53.1874

■ 81.2081, 83.7575,
69.0156

■ 87.7666, 91.5724,
87.5472

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.



68.7225, 48.7715, 18.3030



55.4738, 48.7715, 9.6220



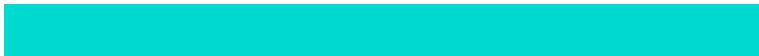
41.8633, 48.7715, 8.6878

Triad

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



55.4738, 48.7715, 9.6220



25.4443, 48.7715, 67.5522



65.0478, 48.7715, 130.8335

Complementary

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



55.4738, 48.7715, 9.6220



28.7928, 26.6788, 98.2391

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.



51.1589, 48.7715, 162.9257



55.4738, 48.7715, 9.6220



29.4597, 48.7715, 116.3650

Square

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



55.4738, 48.7715, 9.6220



26.1572, 48.7715, 32.1308



38.2961, 48.7715, 156.6376



74.9419, 48.7715, 81.6536

Rectangle

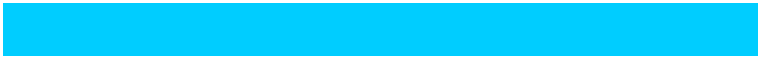
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.4738, 48.7715, 9.6220



34.5448, 48.7715, 11.6327



38.2961, 48.7715, 156.6376



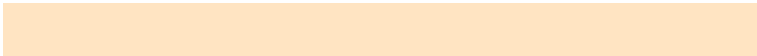
60.5921, 48.7715, 144.8396

Sweetspot

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



55.4749, 48.7740, 9.6229



78.7817, 80.7991, 62.3648



47.3666, 25.6050, 28.3537



16.4198, 16.7474, 12.1576



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.



55.4749, 48.7740, 9.6229



51.9183, 42.5272, 5.7651



73.9436, 91.1350, 16.8260



18.8591, 19.6864, 18.9502



26.8922, 21.7956, 2.7896



2.7272, 2.3397, 0.3079

Inverse Universe

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



28.7928, 26.6788, 98.2391



24.5381, 20.0067, 97.1761



21.1709, 10.5865, 95.5347



17.6549, 18.6814, 22.9253



12.5579, 10.0254, 50.7078



1.3291, 1.1889, 4.9727

Previews

White Background



This preview shows how the XYZ color 55.4738, 48.7715, 9.6220 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 55.4738, 48.7715, 9.6220 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 55.4738, 48.7715, 9.6220

Background



This preview shows how black text looks on a background with the XYZ color 55.4738, 48.7715, 9.6220.



This preview shows how white text looks on a background with the XYZ color 55.4738, 48.7715,

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

55.4738, 48.7715, 9.6220

Protanopia

44.2851, 48.8132, 10.8292

Deuteranopia

49.9701, 48.7483, 9.4650



Tritanopia

60.6283, 48.5783, 43.7172

Trichromacy



Original Color

55.4738, 48.7715, 9.6220

Protanomaly

47.8373, 48.5141, 10.3329

Deuteranomaly

51.9040, 48.5957, 9.4406

Tritanomaly

57.7508, 48.2561, 26.0092

Monochromacy



Original Color

55.4738, 48.7715, 9.6220

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.2957, 45.6188, 28.6083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4738, 48.7715, 9.6220 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 51) }
```

Border

The CSS property to change the border of an element to XYZ 55.4738, 48.7715, 9.6220 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, 51) }
```


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

```
.border{ border-color:rgb(255, 166, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 166, 51); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 166, 51); box-shadow:4px 4px 4px 4px rgb(255, 166, 51) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4738, 48.7715, 9.6220 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
166, 51) }
```

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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