

Converting Colors

XYZ(58.7768, 50.0537, 9.5952)

Have a look what the booklet for
XYZ(58.7768, 50.0537, 9.5952)
contains.

| | |
|--|----|
| XYZ(55.0912, 48.0412, 9.3869) | 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(55.0912, 48.0412,
9.3869)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFA432 |
| RGB | 255, 164, 50 |
| RGB Percent | 100%, 64%, 20% |
| CMY | 0.0000, 0.3568, 0.8039 |
| CMYK | 0.00, 0.36, 0.80, 0.00 |
| HSL | 33°, 100%, 60% |
| HSV | 33°, 80%, 100% |
| XYZ | 55.0912, 48.0412, 9.3869 |
| YIQ | 178.2130, 90.8300, -16.1620 |

Conversions

Conversions Part 2

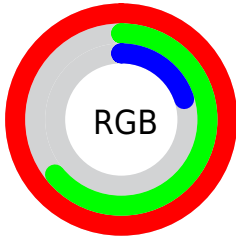
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 214, 255, 50 |
| Decimal | 16753714 |
| CIELab | 74.85, 25.29, 68.29 |
| CIELCh | 75, 72.819, 69.680 |
| Yxy | 48.0412, 0.4896, 0.4270 |
| Android (android.graphics.Color) | 4294943794 (0xFFFFA432) |
| YUV | 178.2130, -63.2090, 67.3422 |
| Hunter-Lab | 69.3118, 20.5819, 40.4886 |

Details

The XYZ color **55.0912, 48.0412, 9.3869** 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 **28.8898, 26.9469, 98.2857**, and the grayscale version is **42.7218, 44.9467, 48.9470**.

A 20% lighter version of the original color is **69.1213, 72.9430, 23.8009**, and **27.5324, 22.7948, 2.9487** is the 20% darker color. If you saturate the color by 10%, you get **52.7502, 44.0085, 6.6062**, and if you desaturate by 10%, it is **57.9205, 52.5618, 13.8402**.

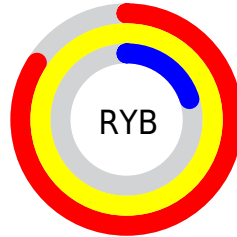
Distribution



Red (100%)

Green (64%)

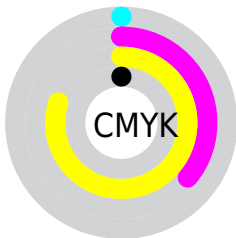
Blue (20%)



Red (84%)

Yellow (100%)

Blue (20%)

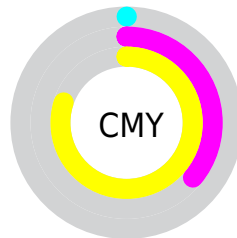


Cyan (0%)

Magenta (36%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.0912, 48.0412, 9.3869 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 55.0912, 48.0412, 9.3869 by changing the saturation by 10% instead.


 55.0912, 48.0412,
9.3869


 55.0912, 48.0412,
9.3869


396.3883,
378.9554, 196.5616


 39.7089, 33.8595,
4.8941


 96.8221, 87.2657,
25.2253


 27.4948, 22.7857,
2.1276

 123.9014,
113.0774, 37.4080

 18.0837, 14.4353,
0.6321


 155.6104,
143.5345, 52.9911

 11.1102, 8.4241,
0.0000

 192.3144,
179.0214, 72.3932

 6.2088, 4.3675,
0.0000

 234.3789,
219.9226, 96.0327

 3.0143, 1.8812,
0.0000

 282.1691,

 1.1613, 0.5370,

266.6224, 124.3283

0.0000

336.0505,
319.5052, 157.6984

■ 0.0755, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.0912, 48.0412,
9.3869

■ 55.0912, 48.0412,
9.3869

■ 52.7502, 44.0085,
6.6062

■ 57.9205, 52.5618,
13.8402

■ 50.8847, 40.5498,
5.1450

■ 61.2839, 57.5896,
20.1989

■ 65.2240, 63.1507,
28.6613

■ 69.7773, 69.2666,
39.3996

74.9771, 75.9568,
52.5683

80.8537, 83.2399,
68.3078

87.4354, 91.1334,
86.7482

94.7487, 99.6538,
108.0104

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.



68.2059, 48.0412, 18.1871



55.0912, 48.0412, 9.3869



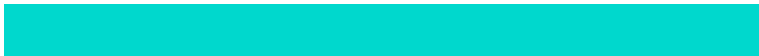
41.5113, 48.0412, 8.3164

Triad

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



55.0912, 48.0412, 9.3869



24.8731, 48.0412, 65.5586



63.9335, 48.0412, 130.9390

Complementary

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



55.0912, 48.0412, 9.3869



28.8898, 26.9469, 98.2857

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.



50.0800, 48.0412, 162.2123



55.0912, 48.0412, 9.3869



28.7290, 48.0412, 114.0824

Square

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



55.0912, 48.0412, 9.3869



25.6975, 48.0412, 30.8444



37.3747, 48.0412, 154.8794



73.9570, 48.0412, 81.9529

Rectangle

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



55.0912, 48.0412, 9.3869



34.1745, 48.0412, 11.0801



37.3747, 48.0412, 154.8794



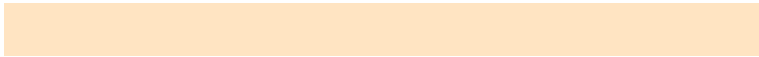
59.4716, 48.0412, 144.7363

Sweetspot

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



55.0923, 48.0437, 9.3878



78.6531, 80.5421, 62.3220



47.2819, 25.5020, 28.1209



16.3890, 16.6857, 12.1473



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.



55.0923, 48.0437, 9.3878



51.6272, 41.9449, 5.6680



73.9044, 91.1173, 16.7103



18.8472, 19.6625, 18.9462



26.7399, 21.4910, 2.7388



2.7126, 2.3105, 0.3030

Inverse Universe

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



28.8898, 26.9469, 98.2857



24.7579, 20.4463, 97.2494



21.0695, 10.4701, 95.5175



17.6667, 18.7049, 22.9292



12.6714, 10.2525, 50.7456



1.3406, 1.2120, 4.9765

Previews

White Background



This preview shows how the XYZ color 55.0912, 48.0412, 9.3869 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 55.0912, 48.0412, 9.3869 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 55.0912, 48.0412, 9.3869

Background



This preview shows how black text looks on a background with the XYZ color 55.0912, 48.0412, 9.3869.



This preview shows how white text looks on a background with the XYZ color 55.0912, 48.0412,

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

55.0912, 48.0412, 9.3869

Protanopia

43.7707, 48.2392, 10.6186

Deuteranopia

49.0823, 48.0052, 9.1616



Tritanopia

60.2720, 48.1640, 42.6791

Trichromacy



Original Color

55.0912, 48.0412, 9.3869

Protanomaly

47.1052, 47.5486, 10.0632

Deuteranomaly

51.0112, 47.8563, 9.2379

Tritanomaly

57.4489, 47.8568, 25.2782

Monochromacy



Original Color

55.0912, 48.0412, 9.3869

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.4939, 44.6476, 27.7455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.0912, 48.0412, 9.3869 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, 164, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 50)  
}
```

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, 164, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 50) }
```

Border

The CSS property to change the border of an element to XYZ 55.0912, 48.0412, 9.3869 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, 164, 50) }
```


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

```
.border{ border-color:rgb(255, 164, 50) }
```

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

Here you see how a box with a 4 pixel rgb(255, 164, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 55.0912, 48.0412, 9.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 50) }
```

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

```
.background{ background-color: rgb(255,  
164, 50) }
```

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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