

Converting Colors

XYZ(56.9368, 50.8286, 12.7886)

Have a look what the booklet for
XYZ(56.9368, 50.8286, 12.7886)
contains.

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Color

**XYZ(56.9402, 50.8408,
12.7734)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFAB47 |
| RGB | 255, 171, 71 |
| RGB Percent | 100%, 67%, 28% |
| CMY | 0.0000, 0.3294, 0.7216 |
| CMYK | 0.00, 0.33, 0.72, 0.00 |
| HSL | 33°, 100%, 64% |
| HSV | 33°, 72%, 100% |
| XYZ | 56.9402, 50.8408, 12.7734 |
| YIQ | 184.7160, 82.1640, -13.2920 |

Conversions

Conversions Part 2

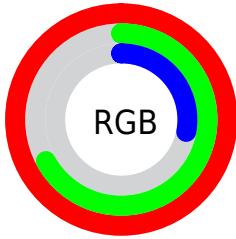
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 226, 255, 71 |
| Decimal | 16755527 |
| CIE Lab | 76.58, 22.44, 61.72 |
| CIE LCh | 77, 65.670, 70.022 |
| Yxy | 50.8408, 0.4723, 0.4217 |
| Android (android.graphics.Color) | 4294945607 (0xFFFFAB47) |
| YUV | 184.7160, -56.0620, 61.6391 |
| Hunter-Lab | 71.3027, 17.7649, 39.2905 |

Details

The XYZ color **56.9402, 50.8408, 12.7734** 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 **32.3690, 32.0005, 99.0776**, and the grayscale version is **46.2272, 48.6346, 52.9631**.

A 20% lighter version of the original color is **72.0744, 77.1079, 30.1534**, and **28.6385, 24.5508, 3.4878** is the 20% darker color. If you saturate the color by 10%, you get **54.1844, 46.3759, 8.6293**, and if you desaturate by 10%, it is **60.2351, 55.8355, 18.7907**.

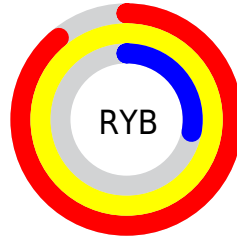
Distribution



Red (100%)

Green (67%)

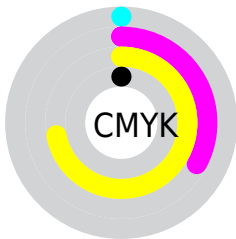
Blue (28%)



Red (89%)

Yellow (100%)

Blue (28%)

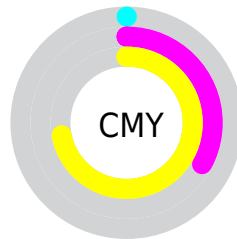


Cyan (0%)

Magenta (33%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9402, 50.8408, 12.7734 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 56.9402, 50.8408, 12.7734 by changing the saturation by 10% instead.

56.9402, 50.8408,
12.7734

56.9402, 50.8408,
12.7734

403.2430,
389.9449, 220.6169

41.1972, 36.0819,
7.1438

99.5098, 91.4194,
31.5813

28.6615, 24.4975,
3.4724

127.0671,
118.0079, 45.5966

18.9679, 15.7031,
1.3406

159.2932,
149.3084, 63.2443

11.7510, 9.3143,
0.0947

196.5534,
185.7054, 84.9429

6.6453, 4.9467,
0.0000

239.2131,
227.5831, 111.1109

3.2856, 2.2160,
0.0000

287.6378,

1.3066, 0.7287,

275.3260, 142.1669

0.0000

342.1926,
329.3185, 178.5294

■ 0.1881, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9402, 50.8408,
12.7734

■ 56.9402, 50.8408,
12.7734

■ 54.1844, 46.3759,
8.6293

■ 60.2351, 55.8355,
18.7907

■ 51.9130, 42.4045,
6.1107

■ 64.1086, 61.3769,
26.8813

■ 50.4138, 39.6081,
4.9880

■ 68.5997, 67.4904,
37.2224

■ 73.7424, 74.1965,
49.9712

■ 79.5680, 81.5147,
65.2707

■ 86.1053, 89.4633,
83.2526

■ 93.3814, 98.0596,
104.0395

■ 95.0496, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9906, 50.8408, 22.0194



56.9402, 50.8408, 12.7734



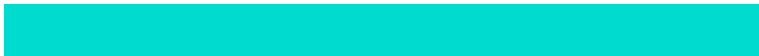
44.2889, 50.8408, 11.6533

Triad

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



56.9402, 50.8408, 12.7734



28.4318, 50.8408, 68.1183



65.3448, 50.8408, 125.8928

Complementary

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



56.9402, 50.8408, 12.7734



32.3690, 32.0005, 99.0776

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.



52.5942, 50.8408, 153.5739



56.9402, 50.8408, 12.7734



32.2593, 50.8408, 111.9427

Square

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



56.9402, 50.8408, 12.7734



29.1909, 50.8408, 35.1414



40.6216, 50.8408, 147.5941



74.3894, 50.8408, 82.1348

Rectangle

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



56.9402, 50.8408, 12.7734



37.3425, 50.8408, 14.7711



40.6216, 50.8408, 147.5941



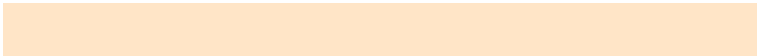
61.2683, 50.8408, 138.0861

Sweetspot

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



56.9414, 50.8434, 12.7744



79.6649, 81.6342, 65.5302



49.5676, 28.1965, 34.6691



16.6980, 17.0346, 13.0801



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.



56.9414, 50.8434, 12.7744



53.0275, 44.3923, 7.2236



75.9162, 92.0894, 19.7356



18.8275, 19.6231, 18.9397



26.4938, 20.9988, 2.6568



2.6889, 2.2631, 0.2951

Inverse Universe

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



32.3690, 32.0005, 99.0776



27.2655, 24.7128, 97.9407



23.3748, 13.3102, 95.9441



17.6861, 18.7438, 22.9357



12.8643, 10.6382, 50.8099



1.3602, 1.2510, 4.9831

Previews

White Background



This preview shows how the XYZ color 56.9402, 50.8408, 12.7734 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 56.9402, 50.8408, 12.7734 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 56.9402, 50.8408, 12.7734

Background



This preview shows how black text looks on a background with the XYZ color 56.9402, 50.8408, 12.7734.



This preview shows how white text looks on a background with the XYZ color 56.9402, 50.8408,

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

56.9402, 50.8408, 12.7734

Protanopia

46.5819, 51.1976, 14.2645

Deuteranopia

51.9567, 50.8927, 12.5537



Tritanopia

62.1554, 50.8669, 46.5867

Trichromacy



Original Color

56.9402, 50.8408, 12.7734

Protanomaly

49.8481, 50.6923, 13.6359

Deuteranomaly

53.7585, 50.9286, 12.6271

Tritanomaly

59.5741, 50.7036, 30.3138

Monochromacy



Original Color

56.9402, 50.8408, 12.7734

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.9336, 48.3578, 33.1932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9402, 50.8408, 12.7734 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, 171, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 71)  
}
```

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, 171, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 71) }
```

Border

The CSS property to change the border of an element to XYZ 56.9402, 50.8408, 12.7734 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, 171, 71) }
```


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

```
.border{ border-color:rgb(255, 171, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9402, 50.8408, 12.7734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 71) }
```

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

```
.background{ background-color: rgb(255,  
171, 71) }
```

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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