

Converting Colors

XYZ(56.3061, 50.2372, 12.2690)

Have a look what the booklet for
XYZ(56.3061, 50.2372, 12.2690)
contains.

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Color

**XYZ(56.2912, 50.2376,
12.1988)**

Conversions

Conversions Part 1

Format	Color
Hex	FEAA44
RGB	254, 170, 68
RGB Percent	100%, 67%, 27%
CMY	0.0039, 0.3333, 0.7333
CMYK	0.00, 0.33, 0.73, 0.00
HSL	33°, 99%, 63%
HSV	33°, 73%, 100%
XYZ	56.2912, 50.2376, 12.1988
YIQ	183.4880, 82.8060, -13.9140

Conversions

Conversions Part 2

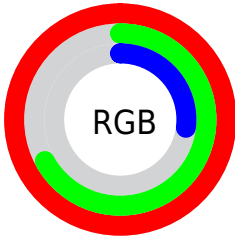
Format	Color
R _Y B	221, 254, 68
Decimal	16689732
CIE Lab	76.21, 22.41, 62.58
CIE LCh	76, 66.468, 70.293
Yxy	50.2376, 0.4741, 0.4231
Android (android.graphics.Color)	4294879812 (0xFFFEAA44)
YUV	183.4880, -56.9356, 61.8390
Hunter-Lab	70.8785, 17.7261, 39.4106

Details

The XYZ color **56.2912, 50.2376, 12.1988** 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 **31.5010, 30.8399, 98.0579**, and the grayscale version is **45.5507, 47.9229, 52.1880**.

A 20% lighter version of the original color is **71.6164, 76.4909, 29.0788**, and **28.2276, 24.1677, 3.2345** is the 20% darker color. If you saturate the color by 10%, you get **53.6203, 45.8795, 8.2771**, and if you desaturate by 10%, it is **59.4876, 55.1103, 17.9518**.

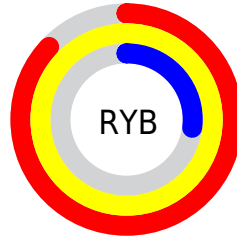
Distribution



Red (100%)

Green (67%)

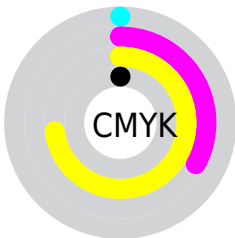
Blue (27%)



Red (87%)

Yellow (100%)

Blue (27%)

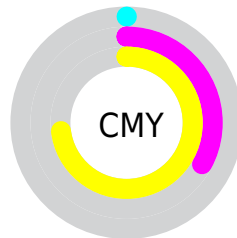


Cyan (0%)

Magenta (33%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2912, 50.2376, 12.1988 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 56.2912, 50.2376, 12.1988 by changing the saturation by 10% instead.


 56.2912, 50.2376,
12.1988

 56.2912, 50.2376,
12.1988


400.8452,
387.5944, 216.7414

 40.6744, 35.6022,
6.7550

 98.5676, 90.5268,
30.5265

 28.2513, 24.1271,
3.2333


 125.9578,
116.9494, 44.2474


 18.6566, 15.4280,
1.2149


 158.0032,
148.0699, 61.5646

 11.5249, 9.1203,
0.0000

 195.0691,
184.2727, 82.8964

 6.4910, 4.8197,
0.0000

 237.5209,
225.9422, 108.6614

 3.1893, 2.1419,
0.0000

285.7240,

 1.2547, 0.6880,

273.4626, 139.2783

0.0000

340.0436,
327.2186, 175.1654

■ 0.1489, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.2912, 50.2376,
12.1988

■ 56.2912, 50.2376,
12.1988

■ 53.6203, 45.8795,
8.2771

■ 59.4876, 55.1103,
17.9518

■ 51.4197, 42.0000,
5.9354

■ 63.2491, 60.5145,
25.7377

■ 50.1487, 39.6224,
5.0048

■ 67.6146, 66.4750,
35.7343

■ 72.6181, 73.0121,
48.0989

■ 78.2905, 80.1450,
62.9747

■ 84.6607, 87.8916,
80.4929

■ 91.7554, 96.2690,
100.7759

■ 94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



68.4503, 50.2376, 21.2479



56.2912, 50.2376, 12.1988



43.5957, 50.2376, 11.1582

Triad

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



56.2912, 50.2376, 12.1988



27.8454, 50.2376, 67.8970



64.9764, 50.2376, 125.4878

Complementary

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



56.2912, 50.2376, 12.1988



31.5010, 30.8399, 98.0579

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.



52.1587, 50.2376, 153.7727



56.2912, 50.2376, 12.1988



31.7094, 50.2376, 112.1421

Square

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



56.2912, 50.2376, 12.1988



28.5617, 50.2376, 34.6741



40.1185, 50.2376, 148.0408



74.0376, 50.2376, 81.2490

Rectangle

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



56.2912, 50.2376, 12.1988



36.6567, 50.2376, 14.2736



40.1185, 50.2376, 148.0408



60.8805, 50.2376, 137.8936

Sweetspot

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



56.2923, 50.2402, 12.1997



79.7412, 81.7869, 65.5556



48.8399, 27.5652, 33.6695



16.7160, 17.0706, 13.0861



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.



56.2923, 50.2402, 12.1997



52.9825, 44.3576, 7.0383



75.1255, 91.2205, 19.1171



18.8351, 19.6384, 18.9422



26.5887, 21.1885, 2.6884



2.6980, 2.2814, 0.2982

Inverse Universe

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



31.5010, 30.8399, 98.0579



26.8455, 23.9900, 97.8234



22.7963, 12.7543, 95.0258



17.6785, 18.7287, 22.9332



12.7885, 10.4866, 50.7847



1.3525, 1.2357, 4.9805

Previews

White Background



This preview shows how the XYZ color 56.2912, 50.2376, 12.1988 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 56.2912, 50.2376, 12.1988 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 56.2912, 50.2376, 12.1988

Background



This preview shows how black text looks on a background with the XYZ color 56.2912, 50.2376, 12.1988.



This preview shows how white text looks on a background with the XYZ color 56.2912, 50.2376,

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

56.2912, 50.2376, 12.1988

Protanopia

45.9785, 50.5779, 13.6425

Deuteranopia

51.3352, 50.2840, 12.0012



Tritanopia

61.7032, 50.1178, 45.9568

Trichromacy



Original Color

56.2912, 50.2376, 12.1988

Protanomaly

49.2293, 50.0796, 13.0329

Deuteranomaly

53.1267, 50.3213, 12.0672

Tritanomaly

59.0683, 49.9195, 29.4439

Monochromacy



Original Color

56.2912, 50.2376, 12.1988

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

47.0226, 47.3192, 31.8545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2912, 50.2376, 12.1988 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(254, 170, 68)` looks like.

```
.text, #text, p{  
    color:rgb(254, 170, 68)  
}
```

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(254, 170, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 170, 68) }
```

Border

The CSS property to change the border of an element to XYZ 56.2912, 50.2376, 12.1988 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(254, 170, 68) }
```


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

```
.border{ border-color:rgb(254, 170, 68) }
```

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

Here you see how a box with a 4 pixel rgb(254, 170, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 170, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 170, 68);  
box-shadow:4px 4px 4px 4px rgb(254, 170,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2912, 50.2376, 12.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 170, 68) }
```

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

```
.background{ background-color: rgb(254,  
170, 68) }
```

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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