

Converting Colors

XYZ(58.0310, 52.1045, 15.9660)

Have a look what the booklet for
XYZ(58.0310, 52.1045, 15.9660)
contains.

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Color

**XYZ(58.0964, 52.2202,
16.0343)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAE57
RGB	255, 174, 87
RGB Percent	100%, 68%, 34%
CMY	0.0000, 0.3176, 0.6588
CMYK	0.00, 0.32, 0.66, 0.00
HSL	31°, 100%, 67%
HSV	31°, 66%, 100%
XYZ	58.0964, 52.2202, 16.0343
YIQ	188.3010, 76.2030, -9.8850

Conversions

Conversions Part 2

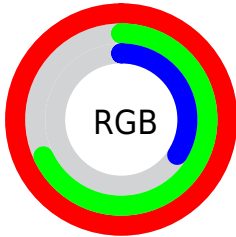
Format	Color
R_{YB}	243, 255, 87
Decimal	16756311
CIE _{Lab}	77.41, 21.69, 55.44
CIE _{LCh}	77, 59.534, 68.630
Yxy	52.2202, 0.4598, 0.4133
Android (android.graphics.Color)	4294946391 (0xFFFFAE57)
YUV	188.3010, -49.9414, 58.4950
Hunter-Lab	72.2635, 17.0442, 37.4288

Details

The XYZ color **58.0964, 52.2202, 16.0343** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **35.9824, 37.2498, 99.9008**, and the grayscale version is **48.2173, 50.7284, 55.2432**.

A 20% lighter version of the original color is **74.2704, 79.7471, 36.2892**, and **29.3889, 25.2654, 4.9179** is the 20% darker color. If you saturate the color by 10%, you get **54.9656, 47.3420, 10.7271**, and if you desaturate by 10%, it is **61.8148, 57.6856, 23.3528**.

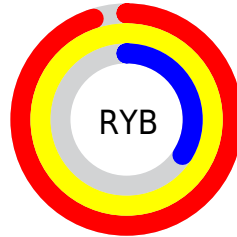
Distribution



Red (100%)

Green (68%)

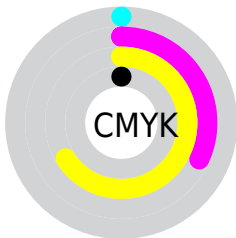
Blue (34%)



Red (95%)

Yellow (100%)

Blue (34%)

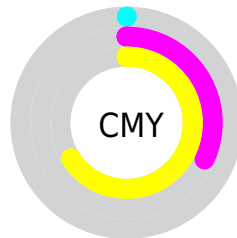


Cyan (0%)

Magenta (32%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0964, 52.2202, 16.0343 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 58.0964, 52.2202, 16.0343 by changing the saturation by 10% instead.


 58.0964, 52.2202,
16.0343

 58.0964, 52.2202,
16.0343


407.4931,
395.2861, 241.3966


 42.1297, 37.1806,
9.3938


 101.1854, 93.4559,
37.4254

 29.3944, 25.3474,
4.8986


 129.0384,
120.4208, 53.0130

 19.5252, 16.3360,
2.1302


 161.5842,
152.1296, 72.4201

 12.1566, 9.7623,
0.6337

 199.1882,
188.9668, 96.0653

 6.9234, 5.2416,
0.0000

242.2158,
231.3166, 124.3669

 3.4601, 2.3897,
0.0000

291.0322,

 1.4015, 0.8206,

279.5635, 157.7437

0.0000

346.0029,
334.0919, 196.6141

■ 0.2573, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0964, 52.2202,
16.0343

■ 58.0964, 52.2202,
16.0343

■ 54.9656, 47.3420,
10.7271

■ 61.8148, 57.6856,
23.3528

■ 52.3722, 43.0152,
7.2117

■ 66.1577, 63.7554,
32.8648

■ 50.2609, 39.2100,
5.2210

■ 71.1623, 70.4552,
44.7353

■ 49.4996, 37.7793,
4.6832

■ 76.8617, 77.8067,
59.1126

83.2863, 85.8300,
76.1323

90.4648, 94.5443,
95.9206

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



68.8960, 52.2202, 25.8807



58.0964, 52.2202, 16.0343



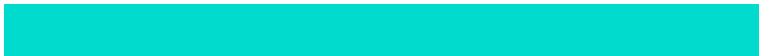
46.4030, 52.2202, 14.5268

Triad

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



58.0964, 52.2202, 16.0343



30.8936, 52.2202, 66.8543



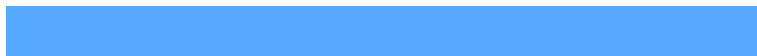
64.6859, 52.2202, 121.7088

Complementary

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



58.0964, 52.2202, 16.0343



35.9824, 37.2498, 99.9008

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.



53.0110, 52.2202, 144.7563



58.0964, 52.2202, 16.0343



34.3447, 52.2202, 106.0043

Square

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



58.0964, 52.2202, 16.0343



31.8246, 52.2202, 36.8385



42.0356, 52.2202, 138.1087



73.0890, 52.2202, 83.0690

Rectangle

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



58.0964, 52.2202, 16.0343



39.8144, 52.2202, 17.5294



42.0356, 52.2202, 138.1087



60.9478, 52.2202, 132.1014

Sweetspot

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



58.0976, 52.2228, 16.0353



80.5508, 82.4431, 68.7944



51.7349, 30.9114, 40.3838



16.8571, 17.1657, 13.7097



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.



58.0976, 52.2228, 16.0353



54.1016, 45.9347, 9.4497



77.6975, 92.9406, 22.8616



18.7876, 19.5433, 18.9264



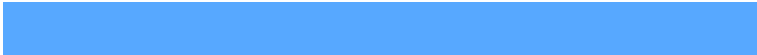
26.0151, 20.0414, 2.4972



2.6424, 2.1702, 0.2796

Inverse Universe

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



35.9824, 37.2498, 99.9008



30.5609, 30.0192, 98.7913



25.6556, 16.2005, 96.3822



17.7257, 18.8230, 22.9489



13.2763, 11.4621, 50.9473



1.4014, 1.3335, 4.9968

Previews

White Background



This preview shows how the XYZ color 58.0964, 52.2202, 16.0343 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 58.0964, 52.2202, 16.0343 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 58.0964, 52.2202, 16.0343

Background



This preview shows how black text looks on a background with the XYZ color 58.0964, 52.2202, 16.0343.



This preview shows how white text looks on a background with the XYZ color 58.0964, 52.2202,

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

58.0964, 52.2202, 16.0343

Protanopia

47.9768, 52.4866, 17.9582

Deuteranopia

53.2927, 52.1163, 15.8450



Tritanopia

63.0946, 52.1118, 48.8526

Trichromacy



Original Color

58.0964, 52.2202, 16.0343

Protanomaly

51.2322, 51.9472, 17.2241

Deuteranomaly

55.1080, 52.1452, 15.9646

Tritanomaly

60.7256, 52.0538, 33.6349

Monochromacy



Original Color

58.0964, 52.2202, 16.0343

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.6708, 50.0984, 36.3302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0964, 52.2202, 16.0343 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, 174, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 87)  
}
```

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, 174, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 87) }
```

Border

The CSS property to change the border of an element to XYZ 58.0964, 52.2202, 16.0343 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, 174, 87) }
```


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

```
.border{ border-color:rgb(255, 174, 87) }
```

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

Here you see how a box with a 4 pixel rgb(255, 174, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0964, 52.2202, 16.0343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 87) }
```

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

```
.background{ background-color: rgb(255,  
174, 87) }
```

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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