

Converting Colors

XYZ(57.5649, 51.9679, 13.3582)

Have a look what the booklet for
XYZ(57.5649, 51.9679, 13.3582)
contains.

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Color

**XYZ(57.5787, 52.0131,
13.3081)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAE49
RGB	255, 174, 73
RGB Percent	100%, 68%, 29%
CMY	0.0000, 0.3176, 0.7137
CMYK	0.00, 0.32, 0.71, 0.00
HSL	33°, 100%, 64%
HSV	33°, 71%, 100%
XYZ	57.5787, 52.0131, 13.3081
YIQ	186.7050, 80.6970, -14.2390

Conversions

Conversions Part 2

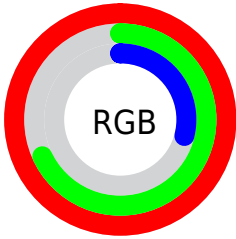
Format	Color
R_{YB}	219, 255, 73
Decimal	16756297
CIE _{Lab}	77.29, 20.96, 61.59
CIE _{LCh}	77, 65.058, 71.203
Yxy	52.0131, 0.4685, 0.4232
Android (android.graphics.Color)	4294946377 (0xFFFFAE49)
YUV	186.7050, -56.0566, 59.8947
Hunter-Lab	72.1201, 16.2993, 39.5435

Details

The XYZ color **57.5787, 52.0131, 13.3081** 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 **32.3527, 31.7463, 99.0298**, and the grayscale version is **47.3431, 49.8086, 54.2416**.

A 20% lighter version of the original color is **73.3027, 79.3600, 31.1932**, and **29.0182, 25.2831, 3.6985** is the 20% darker color. If you saturate the color by 10%, you get **54.7998, 47.5426, 9.0312**, and if you desaturate by 10%, it is **60.8916, 56.9979, 19.4725**.

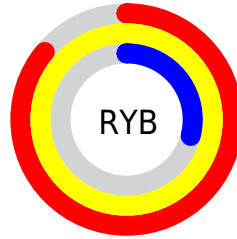
Distribution



Red (100%)

Green (68%)

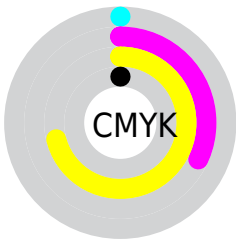
Blue (29%)



Red (86%)

Yellow (100%)

Blue (29%)

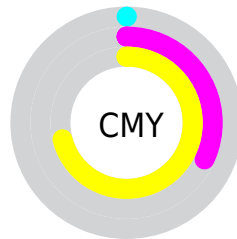


Cyan (0%)

Magenta (32%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5787, 52.0131, 13.3081 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 57.5787, 52.0131, 13.3081 by changing the saturation by 10% instead.


 57.5787, 52.0131,
13.3081

 57.5787, 52.0131,
13.3081


405.5935,
394.4872, 224.1596


 41.7120, 37.0155,
7.5078


 100.4356, 93.1506,
32.5555

 29.0660, 25.2195,
3.6984


 128.1565,
120.0592, 46.8396


 19.2753, 16.2407,
1.4614


 160.5595,
151.7070, 64.7889

 11.9745, 9.6946,
0.1889

 198.0099,
188.4784, 86.8217

 6.7984, 5.1970,
0.0000

 240.8732,
230.7577, 113.3566

 3.3816, 2.3633,
0.0000

289.5146,

 1.3586, 0.8069,

278.9293, 144.8122

0.0000

344.2996,
333.3777, 181.6071

■ 0.2264, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.5787, 52.0131,
13.3081

■ 57.5787, 52.0131,
13.3081

■ 54.7998, 47.5426,
9.0312

■ 60.8916, 56.9979,
19.4725

■ 52.5014, 43.5512,
6.3983

■ 64.7770, 62.5130,
27.7218

■ 50.8414, 40.4630,
5.1305

■ 69.2732, 68.5826,
38.2313

■ 74.4137, 75.2267,
51.1570

80.2292, 82.4640,
66.6407

86.7481, 90.3120,
84.8132

93.9972, 98.7875,
105.7964

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.



69.7776, 52.0131, 22.3547



57.5787, 52.0131, 13.3081



44.9198, 52.0131, 12.4311

Triad

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



57.5787, 52.0131, 13.3081



29.4366, 52.0131, 71.0620



66.9881, 52.0131, 125.6695

Complementary

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



57.5787, 52.0131, 13.3081



32.3527, 31.7463, 99.0298

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.



54.2471, 52.0131, 154.3309



57.5787, 52.0131, 13.3081



33.4916, 52.0131, 115.0357

Square

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



57.5787, 52.0131, 13.3081



30.0226, 52.0131, 37.2509



42.1012, 52.0131, 149.7806



75.8097, 52.0131, 81.7878

Rectangle

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



57.5787, 52.0131, 13.3081



38.0183, 52.0131, 15.8441



42.1012, 52.0131, 149.7806



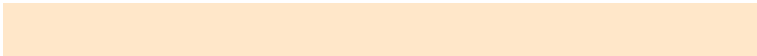
62.9396, 52.0131, 138.0950

Sweetspot

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



57.5799, 52.0157, 13.3091



80.4589, 82.7447, 67.2670



49.5307, 28.3886, 33.8359



16.8615, 17.2688, 13.4205



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.



57.5799, 52.0157, 13.3091



53.6797, 45.6373, 7.6248



74.9334, 91.5755, 20.0303



18.8454, 19.6589, 18.9456



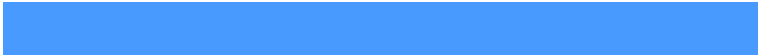
26.7172, 21.4456, 2.7313



2.7104, 2.3062, 0.3023

Inverse Universe

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



32.3527, 31.7463, 99.0298



27.1949, 24.4452, 97.8928



23.9213, 13.7839, 96.0071



17.6684, 18.7085, 22.9298



12.6887, 10.2870, 50.7514



1.3424, 1.2155, 4.9771

Previews

White Background



This preview shows how the XYZ color 57.5787, 52.0131, 13.3081 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 57.5787, 52.0131, 13.3081 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 57.5787, 52.0131, 13.3081

Background



This preview shows how black text looks on a background with the XYZ color 57.5787, 52.0131, 13.3081.



This preview shows how white text looks on a background with the XYZ color 57.5787, 52.0131,

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

57.5787, 52.0131, 13.3081

Protanopia

47.6654, 52.3955, 14.8088

Deuteranopia

53.4619, 52.2616, 13.2310



Tritanopia

62.9945, 52.0718, 48.3257

Trichromacy



Original Color

57.5787, 52.0131, 13.3081

Protanomaly

50.6484, 51.7137, 14.1498

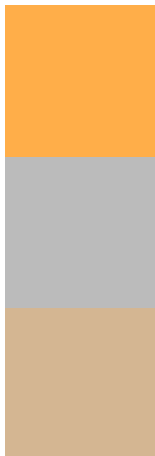
Deuteranomaly

54.9460, 52.1206, 13.2952

Tritanomaly

60.2749, 51.8735, 31.2619

Monochromacy



Original Color

57.5787, 52.0131, 13.3081

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

49.0676, 49.5283, 34.1679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5787, 52.0131, 13.3081 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 73) }
```

Border

The CSS property to change the border of an element to XYZ 57.5787, 52.0131, 13.3081 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, 73) }
```


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

```
.border{ border-color:rgb(255, 174, 73) }
```

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, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5787, 52.0131, 13.3081 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, 73) }
```

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

```
.background{ background-color: rgb(255,  
174, 73) }
```

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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