

Converting Colors

XYZ(84.9146, 65.7741, 19.5931)

Have a look what the booklet for
XYZ(84.9146, 65.7741, 19.5931)
contains.

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Color

**XYZ(58.3412, 52.0102,
18.2733)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAD61
RGB	255, 173, 97
RGB Percent	100%, 68%, 38%
CMY	0.0000, 0.3215, 0.6196
CMYK	0.00, 0.32, 0.62, 0.00
HSL	29°, 100%, 69%
HSV	29°, 62%, 100%
XYZ	58.3412, 52.0102, 18.2733
YIQ	188.8540, 73.2680, -6.2520

Conversions

Conversions Part 2

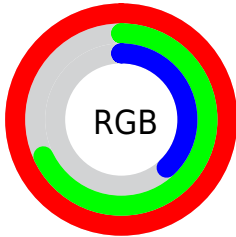
Format	Color
R _Y B	255, 243, 97
Decimal	16756065
CIE Lab	77.29, 22.83, 50.52
CIE LCh	77, 55.440, 65.683
Yxy	52.0102, 0.4536, 0.4044
Android (android.graphics.Color)	4294946145 (0xFFFFAD61)
YUV	188.8540, -45.2840, 58.0100
Hunter-Lab	72.1181, 18.1940, 35.4598

Details

The XYZ color **58.3412, 52.0102, 18.2733** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.0989, 41.9994, 100.6531**, and the grayscale version is **48.5089, 51.0351, 55.5773**.

A 20% lighter version of the original color is **74.7643, 79.5006, 40.2588**, and **29.4577, 25.0995, 5.8769** is the 20% darker color. If you saturate the color by 10%, you get **54.9249, 46.7846, 12.1816**, and if you desaturate by 10%, it is **62.3933, 57.8966, 26.4626**.

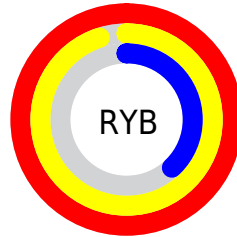
Distribution



Red (100%)

Green (68%)

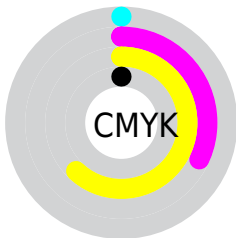
Blue (38%)



Red (100%)

Yellow (95%)

Blue (38%)

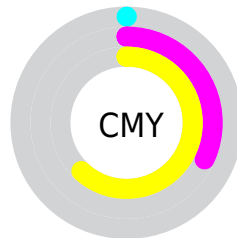


Cyan (0%)

Magenta (32%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3412, 52.0102, 18.2733 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 58.3412, 52.0102, 18.2733 by changing the saturation by 10% instead.


 58.3412, 52.0102,
18.2733

 58.3412, 52.0102,
18.2733


408.3895,
394.4760, 254.6947


 42.3273, 37.0132,
10.9749


 101.5397, 93.1463,
41.3227

 29.5499, 25.2177,
5.9360


 129.4550,
120.0542, 57.9108

 19.6436, 16.2393,
2.7380


 162.0682,
151.7011, 78.4325

 12.2430, 9.6937,
0.9625

 199.7446,
188.4716, 103.3064

 6.9828, 5.1963,
0.0000

242.8496,
230.7499, 132.9510

 3.4976, 2.3629,
0.0000

291.7485,

 1.4220, 0.8067,

278.9204, 167.7849

0.0000

346.8067,
333.3677, 208.2266

■ 0.2718, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3412, 52.0102,
18.2733

■ 58.3412, 52.0102,
18.2733

■ 54.9249, 46.7846,
12.1816

■ 62.3933, 57.8966,
26.4626

■ 52.0954, 42.1820,
7.9812

■ 67.1177, 64.4630,
36.9229

■ 49.8002, 38.1716,
5.4286

■ 72.5517, 71.7374,
49.8131

■ 48.2816, 35.3435,
4.2773

■ 78.7287, 79.7433,
65.2765

85.6795, 88.5031,
83.4454

93.4333, 98.0381,
104.4427

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.



67.9720, 52.0102, 28.8801



58.3412, 52.0102, 18.2733



47.4370, 52.0102, 16.0604

Triad

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



58.3412, 52.0102, 18.2733



31.7512, 52.0102, 62.6289



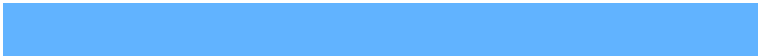
62.3458, 52.0102, 118.7558

Complementary

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



58.3412, 52.0102, 18.2733



39.0989, 41.9994, 100.6531

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.



51.4866, 52.0102, 137.1739



58.3412, 52.0102, 18.2733



34.6162, 52.0102, 98.1155

Square

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



58.3412, 52.0102, 18.2733



33.0441, 52.0102, 35.7769



41.4832, 52.0102, 128.5113



70.5065, 52.0102, 84.3291

Rectangle

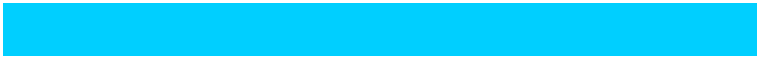
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3412, 52.0102, 18.2733



41.0915, 52.0102, 18.5522



41.4832, 52.0102, 128.5113



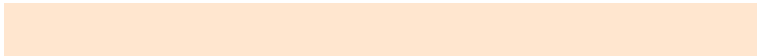
58.8358, 52.0102, 127.4955

Sweetspot

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



58.3424, 52.0128, 18.2743



80.7046, 82.2571, 70.3671



53.8826, 33.1568, 47.4200



16.8653, 17.0863, 14.0077



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.



58.3424, 52.0128, 18.2743



54.3018, 45.7961, 11.1783



77.5001, 90.3282, 24.6602



18.7304, 19.4290, 18.9073



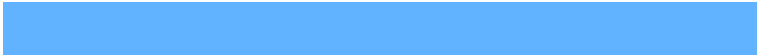
25.3760, 18.7633, 2.2842



2.5795, 2.0443, 0.2586

Inverse Universe

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



39.0989, 41.9994, 100.6531



33.6329, 35.0204, 99.5947



27.7577, 19.3171, 96.8727



17.7828, 18.9373, 22.9680



13.9170, 12.7435, 51.1608



1.4645, 1.4596, 5.0178

Previews

White Background



This preview shows how the XYZ color 58.3412, 52.0102, 18.2733 looks on a white background.

Color Contrast Check

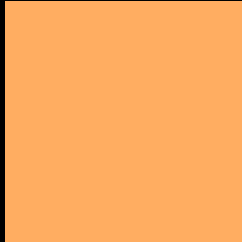
Large Text (above 18pt) WCAG AA × Fail

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 58.3412, 52.0102, 18.2733 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 58.3412, 52.0102, 18.2733

Background



This preview shows how black text looks on a background with the XYZ color 58.3412, 52.0102, 18.2733.



This preview shows how white text looks on a background with the XYZ color 58.3412, 52.0102,

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

58.3412, 52.0102, 18.2733

Protanopia

47.9430, 52.0898, 20.3594

Deuteranopia

53.0545, 51.9443, 18.0565



Tritanopia

63.0946, 52.1118, 48.8526

Trichromacy



Original Color

58.3412, 52.0102, 18.2733

Protanomaly

51.1680, 51.5515, 19.5655

Deuteranomaly

54.8494, 51.9620, 18.2051

Tritanomaly

60.8528, 51.8059, 35.2260

Monochromacy



Original Color

58.3412, 52.0102, 18.2733

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.3748, 50.4134, 38.5282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3412, 52.0102, 18.2733 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, 173, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 97)  
}
```

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, 173, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 97) }
```

Border

The CSS property to change the border of an element to XYZ 58.3412, 52.0102, 18.2733 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, 173, 97) }
```


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

```
.border{ border-color:rgb(255, 173, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3412, 52.0102, 18.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 97) }
```

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

```
.background{ background-color: rgb(255,  
173, 97) }
```

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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