

Converting Colors

XYZ(67.6098, 57.2411, 12.3462)

Have a look what the booklet for
XYZ(67.6098, 57.2411, 12.3462)
contains.

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Color

**XYZ(57.3015, 51.9023,
11.8485)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAE40
RGB	255, 174, 64
RGB Percent	100%, 68%, 25%
CMY	0.0000, 0.3176, 0.7490
CMYK	0.00, 0.32, 0.75, 0.00
HSL	35°, 100%, 63%
HSV	35°, 75%, 100%
XYZ	57.3015, 51.9023, 11.8485
YIQ	185.6790, 83.5860, -17.0380

Conversions

Conversions Part 2

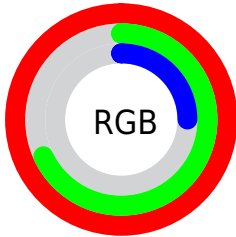
Format	Color
R _Y B	205, 255, 64
Decimal	16756288
CIE Lab	77.22, 20.57, 65.24
CIE LCh	77, 68.409, 72.502
Yxy	51.9023, 0.4734, 0.4288
Android (android.graphics.Color)	4294946368 (0xFFFFAE40)
YUV	185.6790, -59.9877, 60.7945
Hunter-Lab	72.0433, 15.8990, 40.6792

Details

The XYZ color **57.3015, 51.9023, 11.8485** 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 **30.2892, 28.5595, 98.5233**, and the grayscale version is **46.7861, 49.2226, 53.6034**.

A 20% lighter version of the original color is **72.8068, 79.1616, 28.5819**, and **28.9519, 25.2565, 3.3491** is the 20% darker color. If you saturate the color by 10%, you get **54.7294, 47.6664, 8.1926**, and if you desaturate by 10%, it is **60.3755, 56.6125, 17.3076**.

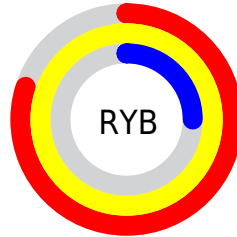
Distribution



Red (100%)

Green (68%)

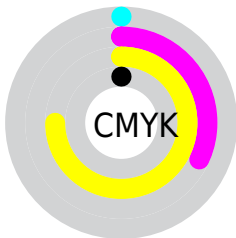
Blue (25%)



Red (80%)

Yellow (100%)

Blue (25%)

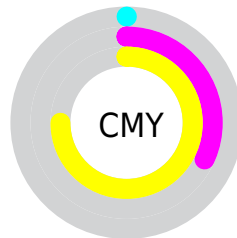


Cyan (0%)

Magenta (32%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.3015, 51.9023, 11.8485 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 57.3015, 51.9023, 11.8485 by changing the saturation by 10% instead.


 57.3015, 51.9023,
11.8485

 57.3015, 51.9023,
11.8485


404.5740,
394.0593, 214.3419


 41.4884, 36.9272,
6.5193

 100.0338, 92.9871,
29.8791

 28.8903, 25.1511,
3.0895


 127.6838,
119.8657, 43.4177


 19.1417, 16.1897,
1.1405


 160.0100,
151.4808, 60.5297

 11.8773, 9.6585,
0.0000

 197.3780,
188.2169, 81.6339

 6.7318, 5.1731,
0.0000

 240.1531,
230.4585, 107.1486

 3.3398, 2.3492,
0.0000

288.7005,

 1.3359, 0.7996,

278.5898, 137.4925

0.0000

343.3857,
332.9953, 173.0841

■ 0.2098, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.3015, 51.9023,
11.8485

■ 57.3015, 51.9023,
11.8485

■ 54.7294, 47.6664,
8.1926

■ 60.3755, 56.6125,
17.3076

■ 52.6025, 43.8691,
6.0760

■ 63.9918, 61.8126,
24.7789

■ 51.6527, 42.0858,
5.4010

■ 68.1896, 67.5264,
34.4458

■ 73.0030, 73.7732,
46.4699

78.4628, 80.5710,
60.9973

84.5979, 87.9366,
78.1624

91.4349, 95.8860,
98.0897

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.



70.3363, 51.9023, 20.4358



57.3015, 51.9023, 11.8485



44.0757, 51.9023, 11.2833

Triad

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



57.3015, 51.9023, 11.8485



28.5952, 51.9023, 73.6174



68.3876, 51.9023, 128.1515

Complementary

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



57.3015, 51.9023, 11.8485



30.2892, 28.5595, 98.5233

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.



54.9895, 51.9023, 160.2887



57.3015, 51.9023, 11.8485



32.9899, 51.9023, 120.6281

Square

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



57.3015, 51.9023, 11.8485



28.9921, 51.9023, 37.4750



42.1372, 51.9023, 157.0494



77.4747, 51.9023, 81.1034

Rectangle

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



57.3015, 51.9023, 11.8485



36.9937, 51.9023, 14.8871



42.1372, 51.9023, 157.0494



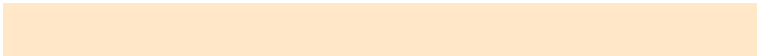
64.1465, 51.9023, 141.8283

Sweetspot

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



57.3027, 51.9049, 11.8495



80.1721, 82.6487, 65.6992



48.3216, 27.0264, 30.1783



16.8178, 17.2742, 13.1201



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.



57.3027, 51.9049, 11.8495



53.5933, 45.6771, 6.9401



73.3947, 90.8141, 18.5116



18.8782, 19.7246, 18.9566



27.1409, 22.2931, 2.8725



2.7509, 2.3872, 0.3158

Inverse Universe

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



30.2892, 28.5595, 98.5233



25.5240, 21.5544, 97.4229



22.9228, 12.4540, 95.8028



17.6362, 18.6439, 22.9191



12.3814, 9.6723, 50.6490



1.3110, 1.1527, 4.9667

Previews

White Background



This preview shows how the XYZ color 57.3015, 51.9023, 11.8485 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 57.3015, 51.9023, 11.8485 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 57.3015, 51.9023, 11.8485

Background



This preview shows how black text looks on a background with the XYZ color 57.3015, 51.9023, 11.8485.



This preview shows how white text looks on a background with the XYZ color 57.3015, 51.9023,

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

57.3015, 51.9023, 11.8485

Protanopia

47.1456, 51.8374, 13.1510

Deuteranopia

52.9628, 51.7354, 11.6094



Tritanopia

62.8120, 51.7068, 48.2648

Trichromacy



Original Color

57.3015, 51.9023, 11.8485

Protanomaly

50.3570, 51.5972, 12.6153

Deuteranomaly

54.4461, 51.6011, 11.6478

Tritanomaly

59.8719, 51.4135, 30.0608

Monochromacy



Original Color

57.3015, 51.9023, 11.8485

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.4744, 49.2578, 32.5440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.3015, 51.9023, 11.8485 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 64) }
```

Border

The CSS property to change the border of an element to XYZ 57.3015, 51.9023, 11.8485 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, 64) }
```


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

```
.border{ border-color:rgb(255, 174, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 57.3015, 51.9023, 11.8485 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
174, 64) }
```

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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