

Converting Colors

XYZ(57.7470, 51.1490, 17.0667)

Have a look what the booklet for
XYZ(57.7470, 51.1490, 17.0667)
contains.

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Color

**XYZ(57.7347, 51.1585,
16.9568)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAB5C
RGB	255, 171, 92
RGB Percent	100%, 67%, 36%
CMY	0.0000, 0.3294, 0.6392
CMYK	0.00, 0.33, 0.64, 0.00
HSL	29°, 100%, 68%
HSV	29°, 64%, 100%
XYZ	57.7347, 51.1585, 16.9568
YIQ	187.1100, 75.4230, -6.7610

Conversions

Conversions Part 2

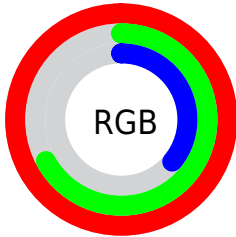
Format	Color
R_{YB}	255, 245, 92
Decimal	16755548
CIE _{Lab}	76.77, 23.56, 52.35
CIE _{LCh}	77, 57.410, 65.773
Yxy	51.1585, 0.4588, 0.4065
Android (android.graphics.Color)	4294945628 (0xFFFFAB5C)
YUV	187.1100, -46.8892, 59.5395
Hunter-Lab	71.5252, 18.9151, 36.0115

Details

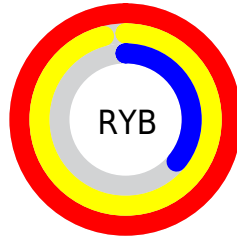
The XYZ color **57.7347, 51.1585, 16.9568** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.9881, 40.5440, 100.4309**, and the grayscale version is **47.5239, 49.9989, 54.4488**.

A 20% lighter version of the original color is **73.8199, 78.2425, 37.9996**, and **29.2452, 24.8231, 5.3478** is the 20% darker color. If you saturate the color by 10%, you get **54.4422, 46.0675, 11.2547**, and if you desaturate by 10%, it is **61.6514, 56.8982, 24.7179**.

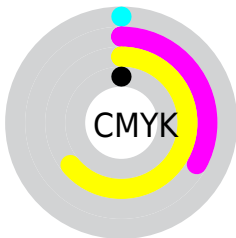
Distribution



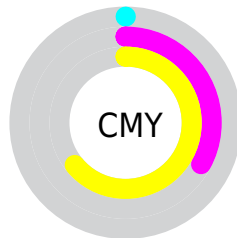
- Red (100%)
- Green (67%)
- Blue (36%)



- Red (100%)
- Yellow (96%)
- Blue (36%)



- Cyan (0%)
- Magenta (33%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7347, 51.1585, 16.9568 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 57.7347, 51.1585, 16.9568 by changing the saturation by 10% instead.

57.7347, 51.1585,
16.9568

57.7347, 51.1585,
16.9568

406.1665,
391.1793, 246.9588

41.8378, 36.3348,
10.0421

100.6616, 91.8890,
39.0411

29.1649, 24.6929,
5.3209

128.4224,
118.5646, 55.0478

19.3505, 15.8484,
2.3747

160.8685,
149.9596, 74.9222

12.0293, 9.4169,
0.7726

198.3652,
186.4583, 99.0828

6.8360, 5.0141,
0.0000

241.2781,
228.4453, 127.9483

3.4052, 2.2555,
0.0000

289.9723,

1.3715, 0.7500,

276.3048, 161.9370

0.0000

344.8133,
330.4214, 201.4677

■ 0.2358, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7347, 51.1585,
16.9568

■ 57.7347, 51.1585,
16.9568

■ 54.4422, 46.0675,
11.2547

■ 61.6514, 56.8982,
24.7179

■ 51.7238, 41.5874,
7.3990

■ 66.2294, 63.3062,
34.7161

■ 49.5250, 37.6864,
5.1349

■ 71.5068, 70.4103,
47.1132

■ 48.3972, 35.5747,
4.3158

■ 77.5172, 78.2341,
62.0552

84.2918, 86.8000,
79.6762

91.8598, 96.1292,
100.1009

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.



67.6720, 51.1585, 27.4837



57.7347, 51.1585, 16.9568



46.5485, 51.1585, 14.8022

Triad

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



57.7347, 51.1585, 16.9568



30.6230, 51.1585, 61.9558



61.9230, 51.1585, 119.9107

Complementary

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



57.7347, 51.1585, 16.9568



37.9881, 40.5440, 100.4309

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.



50.7616, 51.1585, 139.2208



57.7347, 51.1585, 16.9568



33.5356, 51.1585, 98.6342

Square

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



57.7347, 51.1585, 16.9568



31.9180, 51.1585, 34.5377



40.5271, 51.1585, 130.2520



70.3318, 51.1585, 84.1179

Rectangle

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



57.7347, 51.1585, 16.9568



40.0755, 51.1585, 17.2680



40.5271, 51.1585, 130.2520



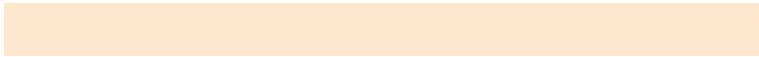
58.3105, 51.1585, 129.0514

Sweetspot

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



57.7359, 51.1611, 16.9578



80.7537, 82.3554, 70.3835



52.9252, 32.0578, 44.5855



16.8771, 17.1100, 14.0117



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.



57.7359, 51.1611, 16.9578



53.5464, 44.6242, 9.8814



78.0710, 91.8313, 23.7361



18.7361, 19.4403, 18.9092



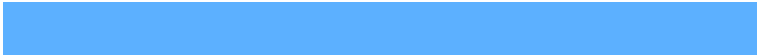
25.4368, 18.8847, 2.3045



2.5855, 2.0564, 0.2606

Inverse Universe

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



37.9881, 40.5440, 100.4309



32.3742, 33.2216, 99.3138



26.5307, 17.6292, 96.6118



17.7772, 18.9260, 22.9661



13.8509, 12.6115, 51.1388



1.4580, 1.4468, 5.0157

Previews

White Background



This preview shows how the XYZ color 57.7347, 51.1585, 16.9568 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 57.7347, 51.1585, 16.9568 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 57.7347, 51.1585, 16.9568

Background



This preview shows how black text looks on a background with the XYZ color 57.7347, 51.1585, 16.9568.



This preview shows how white text looks on a background with the XYZ color 57.7347, 51.1585,

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

57.7347, 51.1585, 16.9568

Protanopia

47.1964, 51.4104, 18.9910

Deuteranopia

52.3010, 51.2784, 16.8140



Tritanopia

62.4330, 51.2654, 47.1621

Trichromacy



Original Color

57.7347, 51.1585, 16.9568

Protanomaly

50.4088, 50.8803, 18.2304

Deuteranomaly

54.2284, 51.0769, 16.8982

Tritanomaly

60.1696, 50.9418, 33.4495

Monochromacy



Original Color

57.7347, 51.1585, 16.9568

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

49.3427, 49.3118, 36.6232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7347, 51.1585, 16.9568 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, 171, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 92)  
}
```

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, 171, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 92) }
```

Border

The CSS property to change the border of an element to XYZ 57.7347, 51.1585, 16.9568 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, 171, 92) }
```


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

```
.border{ border-color:rgb(255, 171, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7347, 51.1585, 16.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 92) }
```

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

```
.background{ background-color: rgb(255,  
171, 92) }
```

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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