

Converting Colors

XYZ(58.7304, 53.2538, 16.9688)

Have a look what the booklet for
XYZ(58.7304, 53.2538, 16.9688)
contains.

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Color

**XYZ(58.8505, 53.4596,
17.1145)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB15B
RGB	255, 177, 91
RGB Percent	100%, 69%, 36%
CMY	0.0000, 0.3059, 0.6431
CMYK	0.00, 0.31, 0.64, 0.00
HSL	31°, 100%, 68%
HSV	31°, 64%, 100%
XYZ	58.8505, 53.4596, 17.1145
YIQ	190.5180, 74.0940, -10.2100

Conversions

Conversions Part 2

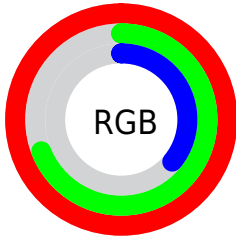
Format	Color
R_{YB}	240, 255, 91
Decimal	16757083
CIE _{Lab}	78.15, 20.36, 54.38
CIE _{LCh}	78, 58.071, 69.474
Yxy	53.4596, 0.4547, 0.4131
Android (android.graphics.Color)	4294947163 (0xFFFFB15B)
YUV	190.5180, -49.0624, 56.5507
Hunter-Lab	73.1161, 15.7200, 37.3031

Details

The XYZ color **58.8505, 53.4596, 17.1145** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **36.5516, 37.8183, 99.9805**, and the grayscale version is **49.4883, 52.0655, 56.6994**.

A 20% lighter version of the original color is **75.4130, 81.5514, 38.1519**, and **29.8220, 26.0311, 5.3722** is the 20% darker color. If you saturate the color by 10%, you get **55.6420, 48.5143, 11.5092**, and if you desaturate by 10%, it is **62.6479, 58.9854, 24.7601**.

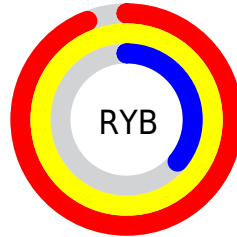
Distribution



Red (100%)

Green (69%)

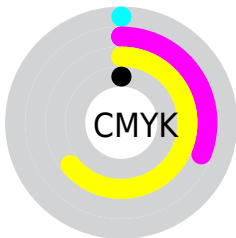
Blue (36%)



Red (94%)

Yellow (100%)

Blue (36%)

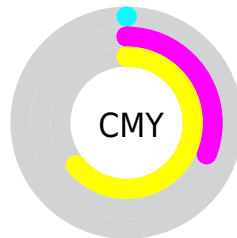


Cyan (0%)

Magenta (31%)

Yellow (64%)

Black (0%)



Cyan (0%)


Magenta (31%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8505, 53.4596, 17.1145 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 58.8505, 53.4596, 17.1145 by changing the saturation by 10% instead.


 58.8505, 53.4596,
17.1145


 58.8505, 53.4596,
17.1145


410.2506,
400.0459, 247.8976


 42.7387, 38.1698,
10.1533


 102.2762, 95.2803,
39.3159


 29.8738, 26.1145,
5.3938


 130.3208,
122.5800, 55.3932

 19.8904, 16.9093,
2.4174


 163.0738,
154.6518, 75.3463

 12.4232, 10.1699,
0.7959

 200.9004,
191.8801, 99.5937

 7.1068, 5.5117,
0.0000

244.1660,
234.6493, 128.5540

 3.5759, 2.5505,
0.0000

293.2360,

 1.4651, 0.9019,

283.3437, 162.6457

0.0000

348.4758,
338.3478, 202.2874

■ 0.3019, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8505, 53.4596,
17.1145

■ 58.8505, 53.4596,
17.1145

■ 55.6420, 48.5143,
11.5092

■ 62.6479, 58.9854,
24.7601

■ 52.9737, 44.1147,
7.7307

■ 67.0700, 65.1081,
34.6243

■ 50.7923, 40.2325,
5.5222

■ 72.1534, 71.8526,
46.8692

■ 49.7274, 38.2351,
4.7592

■ 77.9304, 79.2397,
61.6408

84.4311, 87.2892,
79.0733

91.6833, 96.0197,
99.2911

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.



69.5786, 53.4596, 26.8403



58.8505, 53.4596, 17.1145



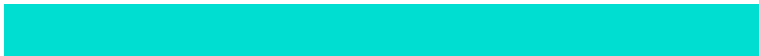
47.3050, 53.4596, 15.7742

Triad

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



58.8505, 53.4596, 17.1145



32.1896, 53.4596, 69.1092



65.9794, 53.4596, 120.9754

Complementary

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



58.8505, 53.4596, 17.1145



36.5516, 37.8183, 99.9805

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.



54.4876, 53.4596, 144.1319



58.8505, 53.4596, 17.1145



35.7649, 53.4596, 107.6424

Square

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



58.8505, 53.4596, 17.1145



32.9983, 53.4596, 38.9364



43.5405, 53.4596, 138.5073



74.1009, 53.4596, 82.9760

Rectangle

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



58.8505, 53.4596, 17.1145



40.8166, 53.4596, 19.0013



43.5405, 53.4596, 138.5073



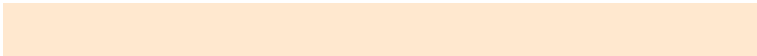
62.3183, 53.4596, 131.2942

Sweetspot

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



58.8517, 53.4623, 17.1155



81.2925, 83.4329, 70.5630



52.2622, 31.6549, 41.5186



17.0070, 17.3699, 14.0550



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.



58.8517, 53.4623, 17.1155



54.8741, 47.2795, 10.3239



77.8896, 93.0202, 23.7476



18.7977, 19.5636, 18.9297



26.1345, 20.2802, 2.5370



2.6541, 2.1935, 0.2835

Inverse Universe

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



36.5516, 37.8183, 99.9805



31.0659, 30.6050, 98.8777



26.3803, 17.0683, 96.5114



17.7156, 18.8028, 22.9455



13.1686, 11.2468, 50.9114



1.3907, 1.3120, 4.9932

Previews

White Background



This preview shows how the XYZ color 58.8505, 53.4596, 17.1145 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 58.8505, 53.4596, 17.1145 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 58.8505, 53.4596, 17.1145

Background



This preview shows how black text looks on a background with the XYZ color 58.8505, 53.4596, 17.1145.



This preview shows how white text looks on a background with the XYZ color 58.8505, 53.4596,

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

58.8505, 53.4596, 17.1145

Protanopia

49.1347, 53.7242, 18.8465

Deuteranopia

54.5403, 53.3530, 16.8748



Tritanopia

63.9552, 53.3456, 50.6420

Trichromacy



Original Color

58.8505, 53.4596, 17.1145

Protanomaly

52.3167, 53.4326, 18.1458

Deuteranomaly

56.0255, 53.1984, 16.9883

Tritanomaly

61.5289, 53.2853, 35.0591

Monochromacy



Original Color

58.8505, 53.4596, 17.1145

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.2069, 51.7805, 38.3061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8505, 53.4596, 17.1145 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, 177, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 91)  
}
```

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, 177, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 91) }
```

Border

The CSS property to change the border of an element to XYZ 58.8505, 53.4596, 17.1145 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, 177, 91) }
```


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

```
.border{ border-color:rgb(255, 177, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 177, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 177, 91); box-shadow:4px 4px 4px 4px rgb(255, 177, 91) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8505, 53.4596, 17.1145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 91) }
```

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

```
.background{ background-color: rgb(255,  
177, 91) }
```

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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