

Converting Colors

XYZ(103.6786, 75.3046,
19.5300)

Have a look what the booklet for
XYZ(103.6786, 75.3046, 19.5300)
contains.

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Color

**XYZ(58.1594, 51.9375,
17.3155)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAD5D
RGB	255, 173, 93
RGB Percent	100%, 68%, 36%
CMY	0.0000, 0.3215, 0.6353
CMYK	0.00, 0.32, 0.64, 0.00
HSL	30°, 100%, 68%
HSV	30°, 64%, 100%
XYZ	58.1594, 51.9375, 17.3155
YIQ	188.3980, 74.5520, -7.4960

Conversions

Conversions Part 2

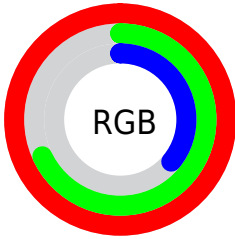
Format	Color
R _Y B	255, 251, 93
Decimal	16756061
CIE Lab	77.24, 22.58, 52.41
CIE LCh	77, 57.063, 66.696
Yxy	51.9375, 0.4565, 0.4076
Android (android.graphics.Color)	4294946141 (0xFFFFAD5D)
YUV	188.3980, -47.0312, 58.4100
Hunter-Lab	72.0677, 17.9330, 36.2019

Details

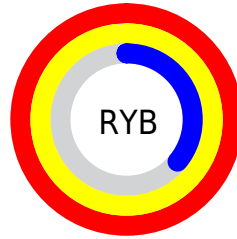
The XYZ color **58.1594, 51.9375, 17.3155** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.8933, 40.2051, 100.3705**, and the grayscale version is **48.2573, 50.7705, 55.2890**.

A 20% lighter version of the original color is **74.4476, 79.3739, 38.5910**, and **29.3825, 25.0694, 5.4807** is the 20% darker color. If you saturate the color by 10%, you get **54.8563, 46.8477, 11.5408**, and if you desaturate by 10%, it is **62.0804, 57.6612, 25.1542**.

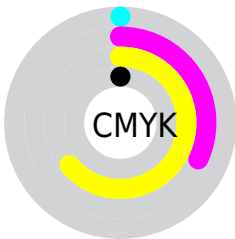
Distribution



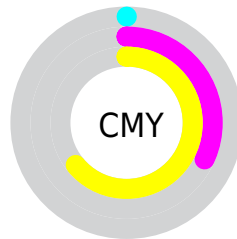
- Red (100%)
- Green (68%)
- Blue (36%)



- Red (100%)
- Yellow (98%)
- Blue (36%)



- Cyan (0%)
- Magenta (32%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (32%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1594, 51.9375, 17.3155 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 58.1594, 51.9375, 17.3155 by changing the saturation by 10% instead.

58.1594, 51.9375,
17.3155

58.1594, 51.9375,
17.3155

407.7239,
394.1953, 249.0892

42.1806, 36.9553,
10.2954

101.2766, 93.0391,
39.6655

29.4344, 25.1729,
5.4871

129.1456,
119.9272, 55.8324

19.5556, 16.2059,
2.4721

161.7088,
151.5527, 75.8854

12.1788, 9.6700,
0.8253

199.3315,
188.3000, 100.2429

6.9387, 5.1807,
0.0000

242.3789,
230.5535, 129.3235

3.4698, 2.3537,
0.0000

291.2166,

1.4068, 0.8019,

278.6977, 163.5457

0.0000

346.2098,
333.1168, 203.3281

■ 0.2610, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1594, 51.9375,
17.3155

■ 58.1594, 51.9375,
17.3155

■ 54.8563, 46.8477,
11.5408

■ 62.0804, 57.6612,
25.1542

■ 52.1217, 42.3550,
7.6189

■ 66.6560, 64.0376,
35.2337

■ 49.9021, 38.4287,
5.2975

■ 71.9236, 71.0936,
47.7154

■ 48.6924, 36.1651,
4.4142

■ 77.9164, 78.8522,
62.7443

84.6652, 87.3349,
80.4542

92.1988, 96.5622,
100.9693

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.



68.2167, 51.9375, 27.6595



58.1594, 51.9375, 17.3155



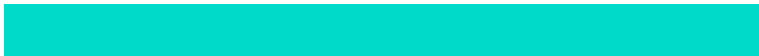
46.9537, 51.9375, 15.3498

Triad

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



58.1594, 51.9375, 17.3155



31.2882, 51.9375, 63.8671



63.0260, 51.9375, 119.8812

Complementary

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



58.1594, 51.9375, 17.3155



37.8933, 40.2051, 100.3705

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.



51.8575, 51.9375, 139.9205



58.1594, 51.9375, 17.3155



34.3520, 51.9375, 100.7079

Square

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



58.1594, 51.9375, 17.3155



32.4625, 51.9375, 35.9166



41.5051, 51.9375, 131.8452



71.3038, 51.9375, 83.8762

Rectangle

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



58.1594, 51.9375, 17.3155



40.5085, 51.9375, 18.0088



41.5051, 51.9375, 131.8452



59.4266, 51.9375, 129.2146

Sweetspot

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



58.1606, 51.9401, 17.3165



80.8775, 82.6029, 70.4247



53.0604, 32.2514, 44.8673



16.9069, 17.1697, 14.0216



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.



58.1606, 51.9401, 17.3165



54.1297, 45.6830, 10.4079



78.1202, 91.8593, 23.9697



18.7503, 19.4687, 18.9139



25.5918, 19.1948, 2.3561



2.6009, 2.0871, 0.2658

Inverse Universe

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



37.8933, 40.2051, 100.3705



32.4347, 33.1142, 99.2899



26.7201, 17.8587, 96.6461



17.7629, 18.8975, 22.9613



13.6876, 12.2847, 51.0844



1.4420, 1.4147, 5.0103

Previews

White Background



This preview shows how the XYZ color 58.1594, 51.9375, 17.3155 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 58.1594, 51.9375, 17.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

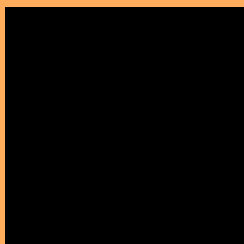
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1594, 51.9375, 17.3155

Background



This preview shows how black text looks on a background with the XYZ color 58.1594, 51.9375, 17.3155.



This preview shows how white text looks on a background with the XYZ color 58.1594, 51.9375,

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

58.1594, 51.9375, 17.3155

Protanopia

47.7469, 52.0113, 19.3270

Deuteranopia

53.2083, 52.0441, 17.1387



Tritanopia

62.9945, 52.0718, 48.3257

Trichromacy



Original Color

58.1594, 51.9375, 17.3155

Protanomaly

50.9767, 51.4749, 18.5582

Deuteranomaly

55.0140, 52.0676, 17.2757

Tritanomaly

60.6163, 51.7113, 33.9806

Monochromacy



Original Color

58.1594, 51.9375, 17.3155

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.8346, 50.1639, 37.1930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1594, 51.9375, 17.3155 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 93) }
```

Border

The CSS property to change the border of an element to XYZ 58.1594, 51.9375, 17.3155 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, 93) }
```


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

```
.border{ border-color:rgb(255, 173, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1594, 51.9375, 17.3155 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, 93) }
```

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

```
.background{ background-color: rgb(255,  
173, 93) }
```

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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