

Converting Colors

XYZ(71.9301, 58.9953, 14.0462)

Have a look what the booklet for
XYZ(71.9301, 58.9953, 14.0462)
contains.

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Color

**XYZ(57.4196, 51.6416,
13.4200)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAD4A
RGB	255, 173, 74
RGB Percent	100%, 68%, 29%
CMY	0.0000, 0.3215, 0.7098
CMYK	0.00, 0.32, 0.71, 0.00
HSL	33°, 100%, 65%
HSV	33°, 71%, 100%
XYZ	57.4196, 51.6416, 13.4200
YIQ	186.2320, 80.6510, -13.4050

Conversions

Conversions Part 2

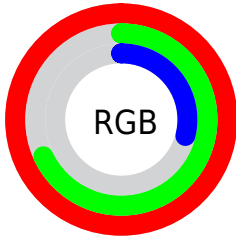
Format	Color
RYB	224, 255, 74
Decimal	16756042
CIELab	77.07, 21.53, 60.93
CIElCh	77, 64.620, 70.536
Yxy	51.6416, 0.4688, 0.4216
Android (android.graphics.Color)	4294946122 (0xFFFFAD4A)
YUV	186.2320, -55.3304, 60.3095
Hunter-Lab	71.8621, 16.8673, 39.2313

Details

The XYZ color **57.4196, 51.6416, 13.4200** 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 **32.7617, 32.4510, 99.1440**, and the grayscale version is **47.0725, 49.5240, 53.9316**.

A 20% lighter version of the original color is **73.0901, 78.8309, 31.4423**, and **28.9159, 25.0467, 3.7624** is the 20% darker color. If you saturate the color by 10%, you get **54.6083, 47.1267, 9.0692**, and if you desaturate by 10%, it is **60.7727, 56.6839, 19.6688**.

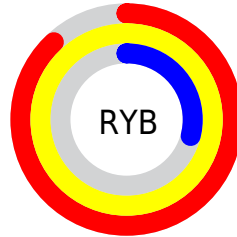
Distribution



Red (100%)

Green (68%)

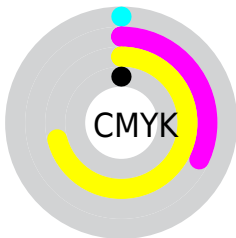
Blue (29%)



Red (88%)

Yellow (100%)

Blue (29%)

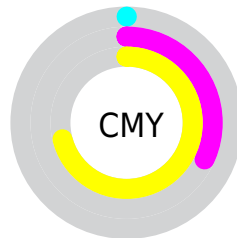


Cyan (0%)

Magenta (32%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (32%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.4196, 51.6416, 13.4200 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 57.4196, 51.6416, 13.4200 by changing the saturation by 10% instead.


 57.4196, 51.6416,
13.4200

 57.4196, 51.6416,
13.4200


405.0086,
393.0514, 224.8937

 41.5837, 36.7195,
7.5843


 100.2050, 92.6025,
32.7585

 28.9651, 24.9904,
3.7462


 127.8852,
119.4100, 47.0983


 19.1986, 16.0699,
1.4872


 160.2442,
150.9481, 65.1099

 11.9187, 9.5736,
0.2083

 197.6473,
187.6012, 87.2119

 6.7602, 5.1172,
0.0000

 240.4600,
229.7537, 113.8227

 3.3575, 2.3162,
0.0000

289.0475,

 1.3455, 0.7823,

277.7900, 145.3609

0.0000

343.7752,
332.0944, 182.2450

■ 0.2169, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.4196, 51.6416,
13.4200

■ 57.4196, 51.6416,
13.4200

■ 54.6083, 47.1267,
9.0692

■ 60.7727, 56.6839,
19.6688

■ 52.2854, 43.1038,
6.3749

■ 64.7064, 62.2702,
28.0119

■ 50.5425, 39.8655,
5.0309

■ 69.2588, 68.4251,
38.6238

■ 74.4636, 75.1690,
51.6599

80.3517, 82.5209,
67.2618

86.9516, 90.4988,
85.5598

94.2900, 99.1199,
106.6757

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4084, 51.6416, 22.6250



57.4196, 51.6416, 13.4200



44.8729, 51.6416, 12.3942

Triad

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



57.4196, 51.6416, 13.4200



29.2616, 51.6416, 69.5882



66.1708, 51.6416, 125.2724

Complementary

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



57.4196, 51.6416, 13.4200



32.7617, 32.4510, 99.1440

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.



53.5502, 51.6416, 152.9507



57.4196, 51.6416, 13.4200



33.1733, 51.6416, 112.9454

Square

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



57.4196, 51.6416, 13.4200



29.9438, 51.6416, 36.4943



41.5965, 51.6416, 147.6792



75.0175, 51.6416, 82.0388

Rectangle

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



57.4196, 51.6416, 13.4200



37.9913, 51.6416, 15.6662



41.5965, 51.6416, 147.6792



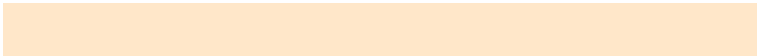
62.1490, 51.6416, 137.3833

Sweetspot

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



57.4208, 51.6442, 13.4210



80.3393, 82.5056, 67.2271



49.9006, 28.6425, 35.4578



16.8330, 17.2119, 13.4111



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.



57.4208, 51.6442, 13.4210



53.6190, 45.4518, 7.8020



76.0507, 92.1474, 20.2570



18.8329, 19.6340, 18.9415



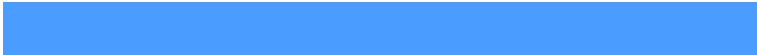
26.5611, 21.1333, 2.6792



2.6954, 2.2761, 0.2973

Inverse Universe

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



32.7617, 32.4510, 99.1440



27.7246, 25.3689, 98.0432



23.8101, 13.8249, 96.0206



17.6807, 18.7331, 22.9339



12.8104, 10.5303, 50.7920



1.3547, 1.2401, 4.9812

Previews

White Background



This preview shows how the XYZ color 57.4196, 51.6416, 13.4200 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 57.4196, 51.6416, 13.4200 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 57.4196, 51.6416, 13.4200

Background



This preview shows how black text looks on a background with the XYZ color 57.4196, 51.6416, 13.4200.



This preview shows how white text looks on a background with the XYZ color 57.4196, 51.6416,

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

57.4196, 51.6416, 13.4200

Protanopia

47.1935, 51.8232, 14.9126

Deuteranopia

52.9535, 51.6928, 13.3176



Tritanopia

62.7127, 51.6670, 47.7417

Trichromacy



Original Color

57.4196, 51.6416, 13.4200

Protanomaly

50.4750, 51.3108, 14.2648

Deuteranomaly

54.4312, 51.5549, 13.3856

Tritanomaly

60.0882, 51.5000, 31.1996

Monochromacy



Original Color

57.4196, 51.6416, 13.4200

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.4987, 48.9410, 33.6785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.4196, 51.6416, 13.4200 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 74) }
```

Border

The CSS property to change the border of an element to XYZ 57.4196, 51.6416, 13.4200 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, 74) }
```


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

```
.border{ border-color:rgb(255, 173, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 57.4196, 51.6416, 13.4200 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, 74) }
```

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

```
.background{ background-color: rgb(255,  
173, 74) }
```

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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