

Converting Colors

XYZ(58.7829, 54.4581, 13.5970)

Have a look what the booklet for
XYZ(58.7829, 54.4581, 13.5970)
contains.

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Color

**XYZ(58.7310, 54.3704,
13.5300)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB448
RGB	255, 180, 72
RGB Percent	100%, 71%, 28%
CMY	0.0000, 0.2941, 0.7176
CMYK	0.00, 0.29, 0.72, 0.00
HSL	35°, 100%, 64%
HSV	35°, 72%, 100%
XYZ	58.7310, 54.3704, 13.5300
YIQ	190.1130, 79.3680, -17.6880

Conversions

Conversions Part 2

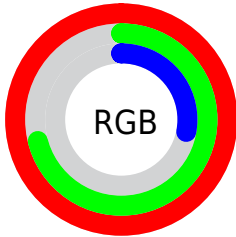
Format	Color
RYB	199, 255, 72
Decimal	16757832
CIELab	78.68, 17.78, 63.43
CIELCh	79, 65.879, 74.341
Yxy	54.3704, 0.4638, 0.4294
Android (android.graphics.Color)	4294947912 (0xFFFFB448)
YUV	190.1130, -58.2297, 56.9059
Hunter-Lab	73.7363, 13.1369, 40.7362

Details

The XYZ color **58.7310, 54.3704, 13.5300** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **31.1557, 29.4640, 98.6522**, and the grayscale version is **49.3031, 51.8707, 56.4872**.

A 20% lighter version of the original color is **75.0013, 82.7573, 31.7594**, and **29.8759, 26.6634, 3.7729** is the 20% darker color. If you saturate the color by 10%, you get **56.0347, 50.0448, 9.3434**, and if you desaturate by 10%, it is **61.9336, 59.1575, 19.5870**.

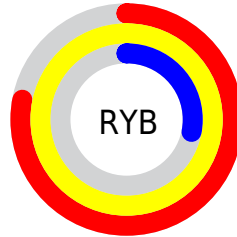
Distribution



Red (100%)

Green (71%)

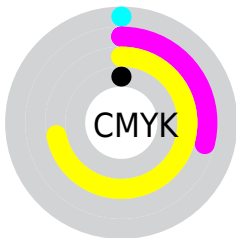
Blue (28%)



Red (78%)

Yellow (100%)

Blue (28%)

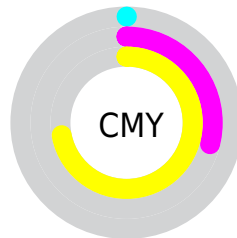


Cyan (0%)

Magenta (29%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.7310, 54.3704, 13.5300 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 58.7310, 54.3704, 13.5300 by changing the saturation by 10% instead.

58.7310, 54.3704,
13.5300

58.7310, 54.3704,
13.5300

409.8144,
403.5209, 225.6128

42.6421, 38.8979,
7.6595

102.1035, 96.6179,
32.9578

29.7977, 26.6803,
3.7932

130.1178,
124.1616, 47.3521

19.8324, 17.3333,
1.5126

162.8380,
156.4979, 65.4248

12.3808, 10.4724,
0.2273

200.6294,
194.0111, 87.5945

7.0776, 5.7133,
0.0000

243.8574,
237.0856, 114.2795

3.5575, 2.6715,
0.0000

292.8873,

1.4550, 0.9628,

286.1058, 145.8986

0.0000

348.0845,
341.4561, 182.8702

■ 0.2949, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7310, 54.3704,
13.5300

■ 58.7310, 54.3704,
13.5300

■ 56.0347, 50.0448,
9.3434

■ 61.9336, 59.1575,
19.5870

■ 53.7917, 46.1471,
6.7818

■ 65.6801, 64.4199,
27.7126

■ 52.2260, 43.2324,
5.5921

■ 70.0080, 70.1800,
38.0826

■ 74.9501, 76.4560,
50.8533

80.5361, 83.2647,
66.1667

86.7937, 90.6221,
84.1537

93.7489, 98.5432,
104.9363

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.



71.7226, 54.3704, 21.9060



58.7310, 54.3704, 13.5300



45.7229, 54.3704, 13.3712

Triad

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



58.7310, 54.3704, 13.5300



31.0248, 54.3704, 78.7879



71.2175, 54.3704, 126.6813

Complementary

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



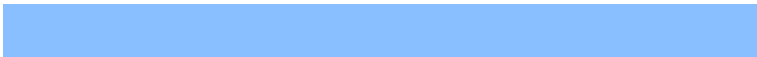
58.7310, 54.3704, 13.5300



31.1557, 29.4640, 98.6522

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.



58.1278, 54.3704, 159.3331



58.7310, 54.3704, 13.5300



35.7653, 54.3704, 124.7560

Square

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



58.7310, 54.3704, 13.5300



31.1309, 54.3704, 41.8852



45.2125, 54.3704, 158.5092



79.7156, 54.3704, 80.7297

Rectangle

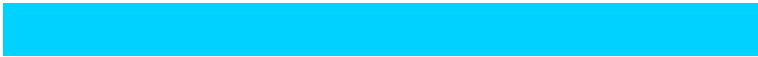
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.7310, 54.3704, 13.5300



38.8058, 54.3704, 17.5488



45.2125, 54.3704, 158.5092



67.1205, 54.3704, 140.2941

Sweetspot

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



58.7322, 54.3731, 13.5310



80.3966, 83.0977, 65.7741



48.9226, 28.0412, 30.9556



16.8709, 17.3804, 13.1378



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.



58.7322, 54.3731, 13.5310



55.0325, 48.3427, 8.0757



72.7799, 90.4690, 19.7579



18.9005, 19.7693, 18.9640



27.4400, 22.8912, 2.9722



2.7793, 2.4440, 0.3253

Inverse Universe

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



31.1557, 29.4640, 98.6522



26.1731, 22.4017, 97.5522



24.3217, 13.8936, 96.0071



17.6143, 18.6002, 22.9118



12.1826, 9.2748, 50.5827



1.2905, 1.1117, 4.9598

Previews

White Background



This preview shows how the XYZ color 58.7310, 54.3704, 13.5300 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 58.7310, 54.3704, 13.5300 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 58.7310, 54.3704, 13.5300

Background



This preview shows how black text looks on a background with the XYZ color 58.7310, 54.3704, 13.5300.



This preview shows how white text looks on a background with the XYZ color 58.7310, 54.3704,

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

58.7310, 54.3704, 13.5300

Protanopia

49.7331, 54.4574, 14.7276

Deuteranopia

55.4166, 54.1948, 13.3342



Tritanopia

64.5398, 54.1839, 51.8567

Trichromacy



Original Color

58.7310, 54.3704, 13.5300

Protanomaly

52.6385, 54.3238, 14.3678

Deuteranomaly

56.4286, 54.0961, 13.4287

Tritanomaly

61.5279, 53.9031, 33.1481

Monochromacy



Original Color

58.7310, 54.3704, 13.5300

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

50.5569, 51.5205, 34.8836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7310, 54.3704, 13.5300 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, 180, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 72)  
}
```

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, 180, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 72) }
```

Border

The CSS property to change the border of an element to XYZ 58.7310, 54.3704, 13.5300 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, 180, 72) }
```


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

```
.border{ border-color:rgb(255, 180, 72) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7310, 54.3704, 13.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 72) }
```

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

```
.background{ background-color: rgb(255,  
180, 72) }
```

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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