

Converting Colors

XYZ(58.1350, 54.1811, 10.2404)

Have a look what the booklet for
XYZ(58.1350, 54.1811, 10.2404)
contains.

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Color

**XYZ(58.0948, 54.1159,
10.1798)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB430
RGB	255, 180, 48
RGB Percent	100%, 71%, 19%
CMY	0.0000, 0.2941, 0.8117
CMYK	0.00, 0.29, 0.81, 0.00
HSL	38°, 100%, 59%
HSV	38°, 81%, 100%
XYZ	58.0948, 54.1159, 10.1798
YIQ	187.3770, 87.0720, -25.1520

Conversions

Conversions Part 2

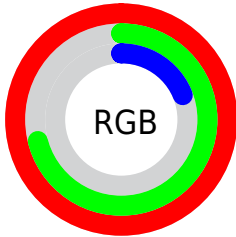
Format	Color
R _Y B	166, 255, 48
Decimal	16757808
CIE Lab	78.53, 16.88, 72.21
CIE LCh	79, 74.154, 76.846
Yxy	54.1159, 0.4747, 0.4422
Android (android.graphics.Color)	4294947888 (0xFFFFB430)
YUV	187.3770, -68.7129, 59.3054
Hunter-Lab	73.5635, 12.2294, 43.2898

Details

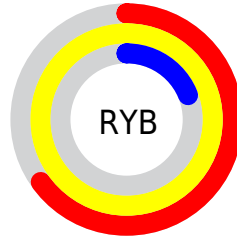
The XYZ color **58.0948, 54.1159, 10.1798** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **26.3517, 22.0138, 97.4674**, and the grayscale version is **47.7905, 50.2794, 54.7542**.

A 20% lighter version of the original color is **73.8370, 82.2915, 25.6279**, and **29.5817, 26.5162, 3.5590** is the 20% darker color. If you saturate the color by 10%, you get **55.9087, 50.3582, 7.5583**, and if you desaturate by 10%, it is **60.7096, 58.2485, 14.4348**.

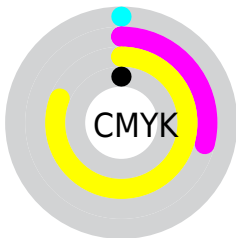
Distribution



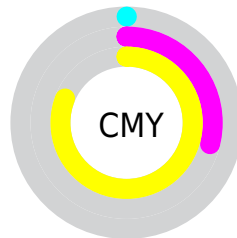
- Red (100%)
- Green (71%)
- Blue (19%)



- Red (65%)
- Yellow (100%)
- Blue (19%)



- Cyan (0%)
- Magenta (29%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (29%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0948, 54.1159, 10.1798 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 58.0948, 54.1159, 10.1798 by changing the saturation by 10% instead.


 58.0948, 54.1159,
10.1798

 58.0948, 54.1159,
10.1798


407.4873,
402.5518, 202.4818


 42.1284, 38.6943,
5.4112


 101.1831, 96.2444,
26.7462


 29.3934, 26.5220,
2.4275


 129.0357,
123.7201, 39.3811


 19.5244, 17.2146,
0.8014


 161.5811,
155.9827, 55.4752

 12.1561, 10.3876,
0.0000

 199.1846,
193.4165, 75.4469

 6.9230, 5.6567,
0.0000

 242.2116,
236.4059, 99.7149

 3.4599, 2.6375,
0.0000

 291.0275,

 1.4014, 0.9455,

285.3353, 128.6977

0.0000

345.9976,
340.5892, 162.8138

■ 0.2572, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0948, 54.1159,
10.1798

■ 58.0948, 54.1159,
10.1798

■ 55.9087, 50.3582,
7.5583

■ 60.7096, 58.2485,
14.4348

■ 54.2687, 47.3177,
6.2730

■ 63.7970, 62.7705,
20.5591

■ 67.3981, 67.7043,
28.7527

■ 71.5479, 73.0675,
39.1887

■ 76.2778, 78.8760,
52.0222

■ 81.6167, 85.1447,
67.3942

■ 87.5911, 91.8875,
85.4347

■ 94.2258, 99.1178,
106.2648

■ 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.



73.1334, 54.1159, 17.5700



58.0948, 54.1159, 10.1798



43.7189, 54.1159, 10.6014

Triad

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



58.0948, 54.1159, 10.1798



28.9676, 54.1159, 85.4389



74.7629, 54.1159, 132.8269

Complementary

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



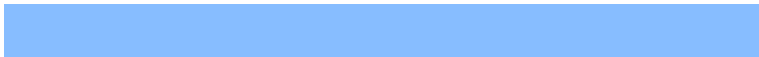
58.0948, 54.1159, 10.1798



26.3517, 22.0138, 97.4674

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.



60.0107, 54.1159, 174.2849



58.0948, 54.1159, 10.1798



34.5195, 54.1159, 139.2255

Square

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



58.0948, 54.1159, 10.1798



28.6494, 54.1159, 42.4497



45.3057, 54.1159, 177.0626



83.9141, 54.1159, 79.1867

Rectangle

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



58.0948, 54.1159, 10.1798



36.3662, 54.1159, 15.1511



45.3057, 54.1159, 177.0626



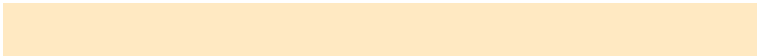
70.1806, 54.1159, 149.5640

Sweetspot

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



58.0960, 54.1186, 10.1808



80.0453, 83.3264, 62.7860



45.9289, 24.8270, 21.4080



16.7240, 17.3558, 12.2590



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.



58.0960, 54.1186, 10.1808



54.8069, 48.3268, 6.6591



68.0983, 88.1290, 16.2183



18.9754, 19.9189, 18.9890



28.5036, 25.0184, 3.3267



2.8791, 2.6437, 0.3585

Inverse Universe

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



26.3517, 22.0138, 97.4674



22.4448, 15.8674, 96.4875



22.0562, 10.8546, 95.5398



17.5417, 18.4550, 22.8876



11.5774, 8.0644, 50.3810



1.2266, 0.9839, 4.9385

Previews

White Background



This preview shows how the XYZ color 58.0948, 54.1159, 10.1798 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 58.0948, 54.1159, 10.1798 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 58.0948, 54.1159, 10.1798

Background



This preview shows how black text looks on a background with the XYZ color 58.0948, 54.1159, 10.1798.



This preview shows how white text looks on a background with the XYZ color 58.0948, 54.1159,

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

58.0948, 54.1159, 10.1798

Protanopia

49.3484, 54.3382, 11.1362

Deuteranopia

55.4983, 54.3077, 10.1421



Tritanopia

64.4360, 54.1424, 51.3104

Trichromacy



Original Color

58.0948, 54.1159, 10.1798

Protanomaly

52.2897, 54.2217, 10.8418

Deuteranomaly

56.5135, 54.2119, 10.1747

Tritanomaly

60.8036, 53.6134, 29.3340

Monochromacy



Original Color

58.0948, 54.1159, 10.1798

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.7358, 50.0556, 30.3856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0948, 54.1159, 10.1798 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 48) }
```

Border

The CSS property to change the border of an element to XYZ 58.0948, 54.1159, 10.1798 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, 48) }
```


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

```
.border{ border-color:rgb(255, 180, 48) }
```

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, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0948, 54.1159, 10.1798 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, 48) }
```

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

```
.background{ background-color: rgb(255,  
180, 48) }
```

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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