

Converting Colors

XYZ(58.4432, 55.5527, 8.0149)

Have a look what the booklet for
XYZ(58.4432, 55.5527, 8.0149)
contains.

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Color

**XYZ(58.4531, 55.5700,
8.0260)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB80D
RGB	255, 184, 13
RGB Percent	100%, 72%, 5%
CMY	0.0000, 0.2784, 0.9490
CMYK	0.00, 0.28, 0.95, 0.00
HSL	42°, 100%, 53%
HSV	42°, 95%, 100%
XYZ	58.4531, 55.5700, 8.0260
YIQ	185.7350, 97.2070, -38.1290

Conversions

Conversions Part 2

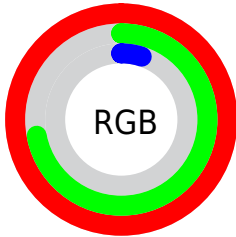
Format	Color
R _Y B	113, 255, 13
Decimal	16758797
CIE Lab	79.37, 14.13, 80.57
CIE LCh	79, 81.800, 80.054
Yxy	55.5700, 0.4789, 0.4553
Android (android.graphics.Color)	4294948877 (0xFFFFB80D)
YUV	185.7350, -85.1584, 60.7454
Hunter-Lab	74.5453, 9.5127, 45.7982

Details

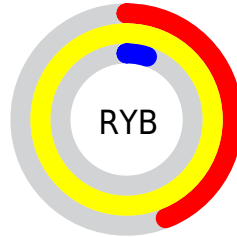
The XYZ color **58.4531, 55.5700, 8.0260** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **21.3870, 13.6475, 96.1139**, and the grayscale version is **46.9495, 49.3946, 53.7907**.

A 20% lighter version of the original color is **74.1204, 84.2683, 21.3757**, and **29.8545, 27.4391, 3.7228** is the 20% darker color. If you saturate the color by 10%, you get **57.5990, 53.9785, 7.3831**, and if you desaturate by 10%, it is **60.3353, 58.8779, 10.0622**.

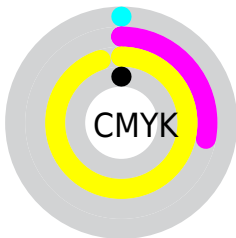
Distribution



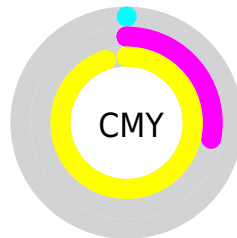
- Red (100%)
- Green (72%)
- Blue (5%)



- Red (44%)
- Yellow (100%)
- Blue (5%)



- Cyan (0%)
- Magenta (28%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (28%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4531, 55.5700, 8.0260 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 58.4531, 55.5700, 8.0260 by changing the saturation by 10% instead.


 58.4531, 55.5700,
8.0260

 58.4531, 55.5700,
8.0260


408.7989,
408.0690, 185.8780


 42.4177, 39.8583,
4.0236


 101.7016, 98.3756,
22.5564

 29.6210, 27.4281,
1.6383


 129.6453,
126.2382, 33.9215

 19.6978, 17.8950,
0.3179


 162.2893,
158.9200, 48.5778

 12.2825, 10.8746,
0.0000

 199.9987,
196.8052, 66.9440

 7.0100, 5.9826,
0.0000

 243.1391,
240.2784, 89.4386

 3.5147, 2.8345,
0.0000

 292.0756,

 1.4314, 1.0459,

289.7238, 116.4801

0.0000

347.1738,
345.5258, 148.4871

■ 0.2785, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4531, 55.5700,
8.0260

■ 58.4531, 55.5700,
8.0260

■ 57.5990, 53.9785,
7.3831

■ 60.3353, 58.8779,
10.0622

■ 62.5818, 62.4628,
13.6109

■ 65.2444, 66.3495,
18.9331

■ 68.3642, 70.5563,
26.2399

71.9768, 75.0994,
35.7127

76.1138, 79.9932,
47.5124

80.8038, 85.2509,
61.7843

86.0732, 90.8848,
78.6619

91.9466, 96.9064,
98.2692

Harmonies

Analogous

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



75.7595, 55.5700, 14.3234



58.4531, 55.5700, 8.0260



42.7266, 55.5700, 9.1453

Triad

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



58.4531, 55.5700, 8.0260



28.3900, 55.5700, 97.0537



80.8661, 55.5700, 138.9783

Complementary

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



58.4531, 55.5700, 8.0260



21.3870, 13.6475, 96.1139

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.



64.3842, 55.5700, 191.1503



58.4531, 55.5700, 8.0260



35.0491, 55.5700, 159.4969

Square

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



58.4531, 55.5700, 8.0260



27.4501, 55.5700, 46.2108



47.5565, 55.5700, 200.1536



90.3596, 55.5700, 77.4823

Rectangle

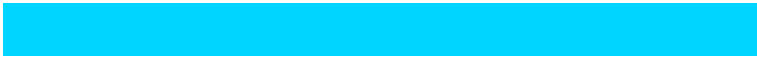
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4531, 55.5700, 8.0260



35.0146, 55.5700, 14.3651



47.5565, 55.5700, 200.1536



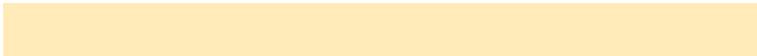
75.8171, 55.5700, 159.2891

Sweetspot

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



58.4543, 55.5728, 8.0271



79.2877, 83.5797, 57.0815



43.0478, 22.2137, 10.7409



16.5391, 17.4048, 10.9061



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.



58.4543, 55.5728, 8.0271



57.5995, 53.9789, 7.3832



61.4536, 84.7567, 13.5020



19.0847, 20.1377, 19.0254



30.2326, 28.4764, 3.9031



3.0383, 2.9620, 0.4116

Inverse Universe

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



21.3870, 13.6475, 96.1139



20.5533, 12.2265, 95.8844



20.1439, 8.5134, 95.1885



17.4372, 18.2460, 22.8527



10.8509, 6.6114, 50.1388



1.1462, 0.8231, 4.9117

Previews

White Background



This preview shows how the XYZ color 58.4531, 55.5700, 8.0260 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 58.4531, 55.5700, 8.0260 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 58.4531, 55.5700, 8.0260

Background



This preview shows how black text looks on a background with the XYZ color 58.4531, 55.5700, 8.0260.



This preview shows how white text looks on a background with the XYZ color 58.4531, 55.5700,

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

58.4531, 55.5700, 8.0260

Protanopia

50.2167, 55.5126, 8.7301

Deuteranopia

56.8537, 55.6870, 7.8383



Tritanopia

65.4329, 55.4651, 53.7115

Trichromacy



Original Color

58.4531, 55.5700, 8.0260

Protanomaly

52.8825, 55.2322, 8.4040

Deuteranomaly

57.3809, 55.6424, 7.9168

Tritanomaly

60.7355, 54.5308, 26.0633

Monochromacy



Original Color

58.4531, 55.5700, 8.0260

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.7881, 49.9769, 25.8667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4531, 55.5700, 8.0260 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, 184, 13)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 13)  
}
```

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, 184, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 13) }
```

Border

The CSS property to change the border of an element to XYZ 58.4531, 55.5700, 8.0260 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, 184, 13) }
```


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

```
.border{ border-color:rgb(255, 184, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4531, 55.5700, 8.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 13) }
```

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

```
.background{ background-color: rgb(255,  
184, 13) }
```

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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