

Converting Colors

XYZ(59.9698, 58.4839, 8.8996)

Have a look what the booklet for
XYZ(59.9698, 58.4839, 8.8996)
contains.

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Color

**XYZ(60.0156, 58.5795,
8.9029)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBF16
RGB	255, 191, 22
RGB Percent	100%, 75%, 9%
CMY	0.0000, 0.2510, 0.9137
CMYK	0.00, 0.25, 0.91, 0.00
HSL	44°, 100%, 54%
HSV	44°, 91%, 100%
XYZ	60.0156, 58.5795, 8.9029
YIQ	190.8700, 92.3930, -38.9910

Conversions

Conversions Part 2

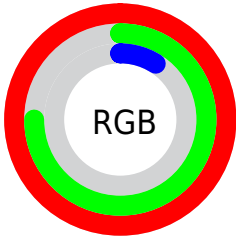
Format	Color
R_{YB}	110, 255, 22
Decimal	16760598
CIE _{Lab}	81.06, 10.59, 80.54
CIE _{LCh}	81, 81.232, 82.507
Yxy	58.5795, 0.4707, 0.4595
Android (android.graphics.Color)	4294950678 (0xFFFFBF16)
YUV	190.8700, -83.2529, 56.2420
Hunter-Lab	76.5372, 6.0281, 46.6794

Details

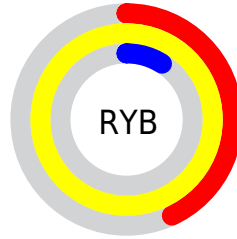
The XYZ color **60.0156, 58.5795, 8.9029** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **21.7092, 14.0471, 96.1741**, and the grayscale version is **49.8780, 52.4756, 57.1459**.

A 20% lighter version of the original color is **76.3891, 88.5369, 22.9607**, and **31.0808, 29.5144, 4.0587** is the 20% darker color. If you saturate the color by 10%, you get **58.5804, 55.9413, 7.7102**, and if you desaturate by 10%, it is **61.9597, 61.8623, 11.4189**.

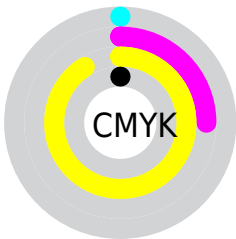
Distribution



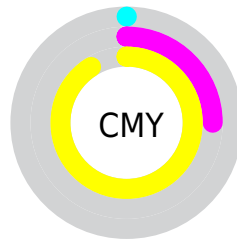
- Red (100%)
- Green (75%)
- Blue (9%)



- Red (43%)
- Yellow (100%)
- Blue (9%)



- Cyan (0%)
- Magenta (25%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.0156, 58.5795, 8.9029 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 60.0156, 58.5795, 8.9029 by changing the saturation by 10% instead.


 60.0156, 58.5795,
8.9029


 60.0156, 58.5795,
8.9029


414.4891,
419.3418, 192.8432


 43.6807, 42.2747,
4.5820


 103.9585,
102.7663, 24.2851


 30.6164, 29.3165,
1.9497


 132.2973,
131.4170, 36.1835


 20.4573, 19.3203,
0.5241


 165.3680,
164.9519, 51.4447

 12.8381, 11.9020,
0.0000

 203.5361,
203.7553, 70.4874

 7.3934, 6.6770,
0.0000

 247.1669,
248.2116, 93.7301

 3.7578, 3.2609,
0.0000

 296.6257,

 1.5661, 1.2694,

298.7052, 121.5912

0.0000

352.2780,
355.6205, 154.4894

■ 0.3701, 0.1173,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.0156, 58.5795,
8.9029

■ 60.0156, 58.5795,
8.9029


■ 58.5804, 55.9413,
7.7102


■ 61.9597, 61.8623,
11.4189


■ 64.2775, 65.4106,
15.5433


■ 67.0166, 69.2475,
21.5166


■ 70.2159, 73.3900,
29.5379

 73.9089, 77.8530,
39.7805

 78.1261, 82.6502,
52.3993

 82.8950, 87.7940,
67.5350

 88.2410, 93.2960,
85.3175

 94.1880, 99.1671,
105.8676

Harmonies

Analogous

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



77.8435, 58.5795, 14.8264



60.0156, 58.5795, 8.9029



44.1631, 58.5795, 10.7023

Triad

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



60.0156, 58.5795, 8.9029



30.7691, 58.5795, 106.3539



85.5785, 58.5795, 138.6676

Complementary

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



60.0156, 58.5795, 8.9029



21.7092, 14.0471, 96.1741

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.



69.0384, 58.5795, 193.8252



60.0156, 58.5795, 8.9029



38.1786, 58.5795, 169.5065

Square

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



60.0156, 58.5795, 8.9029



29.3156, 58.5795, 52.4206



51.5547, 58.5795, 207.3041



94.4208, 58.5795, 76.6792

Rectangle

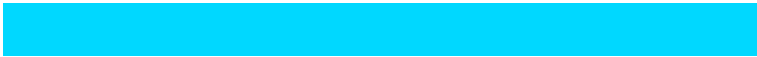
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.0156, 58.5795, 8.9029



36.5135, 58.5795, 16.8897



51.5547, 58.5795, 207.3041



80.5925, 58.5795, 159.6829

Sweetspot

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



60.0169, 58.5824, 8.9040



80.1401, 84.8541, 58.6927



43.2893, 22.5391, 11.3070



16.8144, 17.7924, 11.5008



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.



60.0169, 58.5824, 8.9040



58.5809, 55.9418, 7.7103



60.9489, 84.4882, 13.8552



19.1146, 20.1974, 19.0354



30.7411, 29.4934, 4.0726



3.0845, 3.0544, 0.4270

Inverse Universe

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



21.7092, 14.0471, 96.1741



20.2426, 11.6051, 95.7809



21.0464, 9.1910, 95.2717



17.4090, 18.1896, 22.8433



10.6832, 6.2761, 50.0829



1.1268, 0.7842, 4.9053

Previews

White Background



This preview shows how the XYZ color 60.0156, 58.5795, 8.9029 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 60.0156, 58.5795, 8.9029 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 60.0156, 58.5795, 8.9029

Background



This preview shows how black text looks on a background with the XYZ color 60.0156, 58.5795, 8.9029.



This preview shows how white text looks on a background with the XYZ color 60.0156, 58.5795,

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

60.0156, 58.5795, 8.9029

Protanopia

52.9855, 58.6465, 9.5046

Deuteranopia

60.0156, 58.5795, 8.9029



Tritanopia

67.5936, 58.5662, 58.1939

Trichromacy



Original Color

60.0156, 58.5795, 8.9029

Protanomaly

55.2946, 58.4629, 9.2898

Deuteranomaly

60.0156, 58.5795, 8.9029

Tritanomaly

62.6857, 57.5966, 29.2861

Monochromacy



Original Color

60.0156, 58.5795, 8.9029

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.3916, 53.1695, 28.7259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0156, 58.5795, 8.9029 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, 191, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 22)  
}
```

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, 191, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 22) }
```

Border

The CSS property to change the border of an element to XYZ 60.0156, 58.5795, 8.9029 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, 191, 22) }
```


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

```
.border{ border-color:rgb(255, 191, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0156, 58.5795, 8.9029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 22) }
```

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

```
.background{ background-color: rgb(255,  
191, 22) }
```

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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