

Converting Colors

XYZ(60.1016, 58.4003, 10.0140)

Have a look what the booklet for
XYZ(60.1016, 58.4003, 10.0140)
contains.

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Color

**XYZ(60.0197, 58.2334,
9.9962)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBE27
RGB	255, 190, 39
RGB Percent	100%, 75%, 15%
CMY	0.0000, 0.2549, 0.8470
CMYK	0.00, 0.25, 0.85, 0.00
HSL	42°, 100%, 58%
HSV	42°, 85%, 100%
XYZ	60.0197, 58.2334, 9.9962
YIQ	192.2210, 87.2110, -33.1810

Conversions

Conversions Part 2

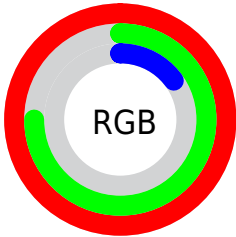
Format	Color
RYB	132, 255, 39
Decimal	16760359
CIELab	80.87, 11.43, 76.79
CIELCh	81, 77.636, 81.535
Yxy	58.2334, 0.4680, 0.4541
Android (android.graphics.Color)	4294950439 (0xFFFFBE27)
YUV	192.2210, -75.5380, 55.0572
Hunter-Lab	76.3108, 6.8492, 45.6510

Details

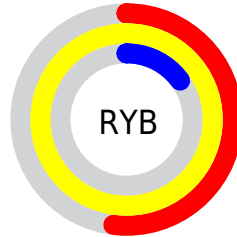
The XYZ color **60.0197, 58.2334, 9.9962** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **23.8370, 17.5518, 96.7386**, and the grayscale version is **50.6260, 53.2625, 58.0029**.

A 20% lighter version of the original color is **76.4960, 88.0916, 25.0282**, and **30.9380, 29.2288, 4.0111** is the 20% darker color. If you saturate the color by 10%, you get **58.1121, 54.8831, 7.9288**, and if you desaturate by 10%, it is **62.3006, 61.8778, 13.5864**.

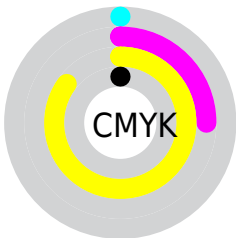
Distribution



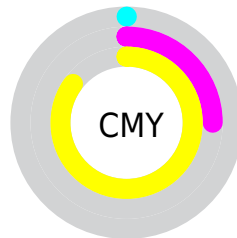
- Red (100%)
- Green (75%)
- Blue (15%)



- Red (52%)
- Yellow (100%)
- Blue (15%)



- Cyan (0%)
- Magenta (25%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.0197, 58.2334, 9.9962 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 60.0197, 58.2334, 9.9962 by changing the saturation by 10% instead.


 60.0197, 58.2334,
9.9962


 60.0197, 58.2334,
9.9962


414.5040,
418.0551, 201.1288


 43.6840, 41.9963,
5.2909


 103.9644,
102.2627, 26.3961

 30.6190, 29.0984,
2.3572


 132.3042,
130.8236, 38.9277

 20.4593, 19.1553,
0.7630

 165.3761,
164.2614, 54.9051

 12.8396, 11.7825,
0.0000

 203.5453,
202.9602, 74.7469

 7.3944, 6.5958,
0.0000

 247.1774,
247.3046, 98.8717

 3.7585, 3.2106,
0.0000

 296.6376,

 1.5664, 1.2427,

297.6790, 127.6979

0.0000

352.2914,
354.4677, 161.6440

■ 0.3704, 0.0961,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.0197, 58.2334,
9.9962

■ 60.0197, 58.2334,
9.9962

■ 58.1121, 54.8831,
7.9288


■ 62.3006, 61.8778,
13.5864


■ 57.2139, 53.2081,
7.2547


■ 65.0013, 65.8298,
18.9548


■ 68.1642, 70.1108,
26.3130

■ 71.8249, 74.7371,
35.8419

 76.0150, 79.7232,
47.7021

 80.7632, 85.0825,
62.0387

 86.0958, 90.8275,
78.9851

 92.0376, 96.9699,
98.6650

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



76.8614, 58.2334, 16.3142



60.0197, 58.2334, 9.9962



44.7720, 58.2334, 11.5947

Triad

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



60.0197, 58.2334, 9.9962



31.3105, 58.2334, 101.7164



83.2139, 58.2334, 135.8460

Complementary

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



60.0197, 58.2334, 9.9962



23.8370, 17.5518, 96.7386

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.



67.4732, 58.2334, 186.3480



60.0197, 58.2334, 9.9962



38.2795, 58.2334, 160.8963

Square

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



60.0197, 58.2334, 9.9962



30.0829, 58.2334, 51.2600



50.9273, 58.2334, 197.2413



91.8482, 58.2334, 77.3340

Rectangle

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



60.0197, 58.2334, 9.9962



37.2972, 58.2334, 17.5771



50.9273, 58.2334, 197.2413



78.4491, 58.2334, 155.2984

Sweetspot

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



60.0210, 58.2363, 9.9973



80.6145, 84.9185, 61.5767



44.6406, 23.7814, 16.2592



16.8850, 17.7646, 12.0453



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.



60.0210, 58.2363, 9.9973



57.2142, 53.2085, 7.2547



64.2682, 86.1739, 15.1660



19.0728, 20.1137, 19.0214



30.0329, 28.0769, 3.8365



3.0201, 2.9256, 0.4055

Inverse Universe

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



23.8370, 17.5518, 96.7386



20.6850, 12.4900, 95.9283



21.9673, 10.3168, 95.4407



17.4486, 18.2687, 22.8565



10.9218, 6.7533, 50.1625



1.1543, 0.8393, 4.9144

Previews

White Background



This preview shows how the XYZ color 60.0197, 58.2334, 9.9962 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 60.0197, 58.2334, 9.9962 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 60.0197, 58.2334, 9.9962

Background



This preview shows how black text looks on a background with the XYZ color 60.0197, 58.2334, 9.9962.



This preview shows how white text looks on a background with the XYZ color 60.0197, 58.2334,

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

60.0197, 58.2334, 9.9962

Protanopia

52.9025, 58.5770, 10.7087

Deuteranopia

59.5050, 58.2907, 10.0344



Tritanopia

67.2783, 58.1135, 57.5403

Trichromacy



Original Color

60.0197, 58.2334, 9.9962

Protanomaly

55.5194, 58.5528, 10.4735

Deuteranomaly

59.8701, 58.4789, 10.0515

Tritanomaly

62.8244, 57.3186, 31.0449

Monochromacy



Original Color

60.0197, 58.2334, 9.9962

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.0991, 53.4862, 30.9232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0197, 58.2334, 9.9962 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, 190, 39)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 39)  
}
```

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, 190, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 39) }
```

Border

The CSS property to change the border of an element to XYZ 60.0197, 58.2334, 9.9962 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, 190, 39) }
```


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

```
.border{ border-color:rgb(255, 190, 39) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0197, 58.2334, 9.9962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 39) }
```

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

```
.background{ background-color: rgb(255,  
190, 39) }
```

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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