

Converting Colors

XYZ(59.9921, 63.6452, 10.5619)

Have a look what the booklet for
XYZ(59.9921, 63.6452, 10.5619)
contains.

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Color

**XYZ(60.0020, 63.6649,
10.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	F5CE21
RGB	245, 206, 33
RGB Percent	96%, 81%, 13%
CMY	0.0392, 0.1921, 0.8705
CMYK	0.00, 0.16, 0.87, 0.04
HSL	49°, 91%, 55%
HSV	49°, 87%, 96%
XYZ	60.0020, 63.6649, 10.5650
YIQ	197.9390, 78.7770, -45.5350

Conversions

Conversions Part 2

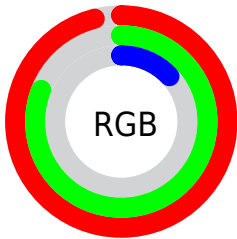
Format	Color
R _Y B	81, 245, 33
Decimal	16109089
CIE Lab	83.79, -1.21, 80.15
CIE LCh	84, 80.159, 90.865
Yxy	63.6649, 0.4470, 0.4743
Android (android.graphics.Color)	4294299169 (0xFFFF5CE21)
YUV	197.9390, -81.3149, 41.2725
Hunter-Lab	79.7903, -5.4017, 48.0026

Details

The XYZ color **60.0020, 63.6649, 10.5650** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **19.4264, 11.5512, 87.5912**, and the grayscale version is **54.0867, 56.9035, 61.9679**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **30.9954, 32.6468, 4.6678** is the 20% darker color. If you saturate the color by 10%, you get **58.7059, 61.4379, 9.0090**, and if you desaturate by 10%, it is **61.5807, 66.0598, 13.4432**.

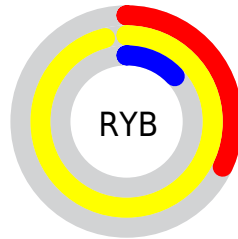
Distribution



Red (96%)

Green (81%)

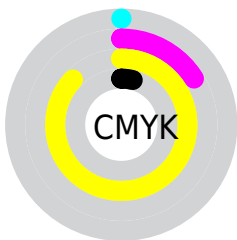
Blue (13%)



Red (32%)

Yellow (96%)

Blue (13%)

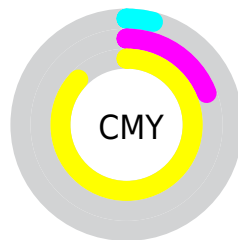


Cyan (0%)

Magenta (16%)

Yellow (87%)

Black (4%)



Cyan (4%)


Magenta (19%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.0020, 63.6649, 10.5650 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 60.0020, 63.6649, 10.5650 by changing the saturation by 10% instead.


 60.0020, 63.6649,
10.5650

 60.0020, 63.6649,
10.5650

414.4398,
437.9785, 205.2875


 43.6697, 46.3793,
5.6647


 103.9389,
110.1282, 27.4772


 30.6077, 32.5453,
2.5768


 132.2742,
140.0747, 40.3261


 20.4507, 21.7783,
0.8804


 165.3413,
175.0103, 56.6616

 12.8332, 13.6941,
0.0000

 203.5054,
215.3194, 76.9023

 7.3900, 7.9082,
0.0000

 247.1319,
261.3864, 101.4667

 3.7557, 4.0363,
0.0000

 296.5863,

 1.5649, 1.6939,

313.5956, 130.7734

0.0000

352.2338,
372.3315, 165.2408

■ 0.3693, 0.4197,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.0020, 63.6649,
10.5650

■ 60.0020, 63.6649,
10.5650

■ 58.7059, 61.4379,
9.0090

■ 61.5807, 66.0598,
13.4432

■ 58.2950, 60.6907,
8.6420

■ 63.4847, 68.6325,
17.8861

■ 65.7530, 71.4015,
24.0915

■ 68.4177, 74.3800,
32.2272

■ 71.5071, 77.5798,
42.4410

■ 75.0468, 81.0114,
54.8668

■ 79.0604, 84.6848,
69.6268

■ 83.5695, 88.6089,
86.8346

■ 88.5946, 92.7922,
106.5961

Harmonies

Analogous

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



78.5219, 63.6649, 14.4589



60.0020, 63.6649, 10.5650



44.7622, 63.6649, 14.9797

Triad

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



60.0020, 63.6649, 10.5650



35.8700, 63.6649, 131.8531



95.1330, 63.6649, 127.9998

Complementary

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



60.0020, 63.6649, 10.5650



19.4264, 11.5512, 87.5912

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.



79.5796, 63.6649, 190.1790



60.0020, 63.6649, 10.5650



45.4900, 63.6649, 193.0616

Square

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



60.0020, 63.6649, 10.5650



32.5966, 63.6649, 70.7941



61.0240, 63.6649, 218.3341



101.0328, 63.6649, 67.8670

Rectangle

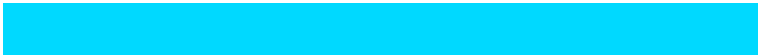
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.0020, 63.6649, 10.5650



37.8809, 63.6649, 24.3887



61.0240, 63.6649, 218.3341



90.7287, 63.6649, 150.2138

Sweetspot

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



60.0034, 63.6680, 10.5663



82.3850, 88.9056, 60.7919



39.4840, 21.0142, 8.7052



17.3316, 18.7430, 11.9314



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.



60.0034, 63.6680, 10.5663



63.8193, 66.4187, 9.4564



52.0774, 75.2866, 13.2266



17.6404, 18.7648, 17.4898



31.4998, 32.8852, 4.6873



2.8343, 3.0218, 0.4339

Inverse Universe

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



19.4264, 11.5512, 87.5912



19.0627, 9.2454, 95.3876



21.9134, 10.2007, 87.1994



15.8277, 16.4197, 20.8777



9.4578, 4.7094, 46.9485



0.8976, 0.5467, 4.1484

Previews

White Background



This preview shows how the XYZ color 60.0020, 63.6649, 10.5650 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 60.0020, 63.6649, 10.5650 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 60.0020, 63.6649, 10.5650

Background



This preview shows how black text looks on a background with the XYZ color 60.0020, 63.6649, 10.5650.



This preview shows how white text looks on a background with the XYZ color 60.0020, 63.6649,

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

60.0020, 63.6649, 10.5650

Protanopia

57.5963, 63.8708, 10.8060

Deuteranopia

64.1945, 63.4887, 20.9277



Tritanopia

71.3521, 63.4643, 67.5206

Trichromacy



Original Color

60.0020, 63.6649, 10.5650

Protanomaly

58.6858, 64.0671, 10.7865

Deuteranomaly

62.2087, 63.2721, 15.7715

Tritanomaly

64.7840, 62.4554, 35.0262

Monochromacy



Original Color

60.0020, 63.6649, 10.5650

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

53.4984, 58.0553, 32.4309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.0020, 63.6649, 10.5650 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(245, 206, 33)` looks like.

```
.text, #text, p{  
    color:rgb(245, 206, 33)  
}
```

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(245, 206, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 206, 33) }
```

Border

The CSS property to change the border of an element to XYZ 60.0020, 63.6649, 10.5650 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(245, 206, 33) }
```


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

```
.border{ border-color:rgb(245, 206, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 206, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 206, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 206, 33);  
box-shadow:4px 4px 4px 4px rgb(245, 206,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 60.0020, 63.6649, 10.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 206, 33) }
```

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

```
.background{ background-color: rgb(245,  
206, 33) }
```

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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