

# Converting Colors

XYZ(70.0494, 65.2242, 9.9565)

Have a look what the booklet for  
XYZ(70.0494, 65.2242, 9.9565)  
contains.

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# Color

**XYZ(61.1778, 60.8190,  
9.5517)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC41B
RGB	255, 196, 27
RGB Percent	100%, 77%, 11%
CMY	0.0000, 0.2313, 0.8941
CMYK	0.00, 0.23, 0.89, 0.00
HSL	44°, 100%, 55%
HSV	44°, 89%, 100%
XYZ	61.1778, 60.8190, 9.5517
YIQ	194.3750, 89.4130, -40.0510

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 255, 27
Decimal	16761883
CIELab	82.28, 8.08, 80.58
CIELCh	82, 80.988, 84.274
Yxy	60.8190, 0.4651, 0.4623
Android (android.graphics.Color)	4294951963 (0xFFFFC41B)
YUV	194.3750, -82.5159, 53.1681
Hunter-Lab	77.9865, 3.5508, 47.3288

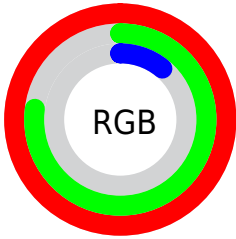
# Details

The XYZ color **61.1778, 60.8190, 9.5517** is a light color, and the websafe version is hex **FFCC33**.

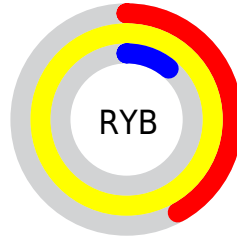
The color can be described as light washed yellow. A complement of this color would be **21.8302, 14.1091, 96.1799**, and the grayscale version is **51.9396, 54.6445, 59.5079**.

A 20% lighter version of the original color is **78.0708, 91.6890, 24.1726**, and **31.8148, 30.9824, 4.3034** is the 20% darker color. If you saturate the color by 10%, you get **59.5337, 57.8345, 8.0688**, and if you desaturate by 10%, it is **63.1339, 64.0380, 12.3425**.

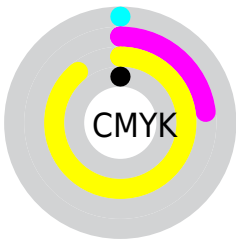
# Distribution



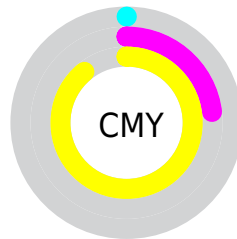
- Red (100%)
- Green (77%)
- Blue (11%)



- Red (42%)
- Yellow (100%)
- Blue (11%)



- Cyan (0%)
- Magenta (23%)
- Yellow (89%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1778, 60.8190, 9.5517 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 61.1778, 60.8190, 9.5517 by changing the saturation by 10% instead.




 61.1778, 60.8190,  
9.5517


 61.1778, 60.8190,  
9.5517


418.6911,  
427.6100, 197.8090

 44.6218, 44.0791,  
5.0011


 105.6330,  
106.0168, 25.5433


 31.3596, 30.7327,  
2.1891


 134.2629,  
135.2435, 37.8213

 21.0260, 20.3954,  
0.6681


 167.6480,  
169.4013, 53.5123

 13.2556, 12.6828,  
0.0000

 206.1539,  
208.8746, 73.0346

 7.6830, 7.2105,  
0.0000

 250.1458,  
254.0477, 96.8069

 3.9429, 3.5941,  
0.0000

 299.9890,

 1.6699, 1.4492,

305.3050, 125.2477

0.0000

356.0490,  
363.0310, 158.7756

■ 0.4373, 0.2526,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.1778, 60.8190,  
9.5517

■ 61.1778, 60.8190,  
9.5517

■ 59.5337, 57.8345,  
8.0688

■ 63.1339, 64.0380,  
12.3425

■ 59.4412, 57.6628,  
7.9971

■ 65.4656, 67.5108,  
16.7901

■ 68.2186, 71.2594,  
23.1256

■ 71.4303, 75.3001,  
31.5420

■ 75.1337, 79.6473,  
42.2085

■ 79.3581, 84.3139,  
55.2769

■ 84.1307, 89.3120,  
70.8856

■ 89.4763, 94.6528,  
89.1624

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.



79.4070, 60.8190, 15.1788



61.1778, 60.8190, 9.5517



45.2199, 60.8190, 11.9001

# Triad

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



61.1778, 60.8190, 9.5517



32.5448, 60.8190, 113.4286



89.1154, 60.8190, 138.5761

# Complementary

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



61.1778, 60.8190, 9.5517



21.8302, 14.1091, 96.1799

# 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.



72.5358, 60.8190, 195.9666



61.1778, 60.8190, 9.5517



40.5283, 60.8190, 177.0822

# Square

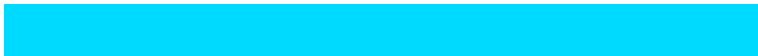
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.1778, 60.8190, 9.5517



30.6952, 60.8190, 57.1931



54.5616, 60.8190, 212.7513



97.4686, 60.8190, 76.1534



# Rectangle

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



61.1778, 60.8190, 9.5517



37.6134, 60.8190, 18.8476



54.5616, 60.8190, 212.7513



84.1777, 60.8190, 160.1267

# Sweetspot

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



61.1792, 60.8220, 9.5529



80.4567, 85.4871, 58.7982



43.3854, 22.7456, 11.2944



16.8898, 17.9430, 11.5259



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.



61.1792, 60.8220, 9.5529



59.4416, 57.6632, 7.9972



60.2612, 84.1276, 14.0997



19.1401, 20.2483, 19.0439



31.1867, 30.3846, 4.2211



3.1249, 3.1351, 0.4404



# Inverse Universe

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



21.8302, 14.1091, 96.1799



19.9971, 11.1143, 95.6990



21.7679, 9.7188, 95.3357



17.3851, 18.1417, 22.8354



10.5503, 6.0101, 50.0386



1.1110, 0.7528, 4.9000



# Previews

## White Background



This preview shows how the XYZ color 61.1778, 60.8190, 9.5517 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 61.1778, 60.8190, 9.5517 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 61.1778, 60.8190, 9.5517

## Background



This preview shows how black text looks on a background with the XYZ color 61.1778, 60.8190, 9.5517.



This preview shows how white text looks on a background with the XYZ color 61.1778, 60.8190,



# 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

61.1778, 60.8190, 9.5517

### Protanopia

55.0207, 60.7453, 10.0534

### Deuteranopia

61.8293, 60.7199, 14.0916



## Tritanopia

69.2034, 60.8779, 61.5293

# Trichromacy



## Original Color

61.1778, 60.8190, 9.5517

## Protanomaly

57.2775, 60.8550, 9.8897

## Deuteranomaly

61.4210, 60.5566, 11.9414

## Tritanomaly

64.0974, 59.8645, 31.4693

# Monochromacy



## Original Color

61.1778, 60.8190, 9.5517

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

52.0676, 55.3226, 30.1244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1778, 60.8190, 9.5517 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, 196, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 27)  
}
```

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, 196, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 27) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1778, 60.8190, 9.5517 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, 196, 27) }
```



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

```
.border{ border-color:rgb(255, 196, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
27) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1778, 60.8190, 9.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 27) }
```

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

```
.background{ background-color: rgb(255,  
196, 27) }
```

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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