

# Converting Colors

XYZ(72.9694, 66.2532, 9.8552)

Have a look what the booklet for  
XYZ(72.9694, 66.2532, 9.8552)  
contains.

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# **Color**

**XYZ(60.7073, 59.9138,  
9.2846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC219
RGB	255, 194, 25
RGB Percent	100%, 76%, 10%
CMY	0.0000, 0.2392, 0.9019
CMYK	0.00, 0.24, 0.90, 0.00
HSL	44°, 100%, 55%
HSV	44°, 90%, 100%
XYZ	60.7073, 59.9138, 9.2846
YIQ	192.9730, 90.6050, -39.6270

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 255, 25
Decimal	16761369
CIE <sub>Lab</sub>	81.79, 9.08, 80.58
CIE <sub>LCh</sub>	82, 81.086, 83.569
Yxy	59.9138, 0.4673, 0.4612
Android (android.graphics.Color)	4294951449 (0xFFFFC219)
YUV	192.9730, -82.8107, 54.3977
Hunter-Lab	77.4040, 4.5390, 47.0710

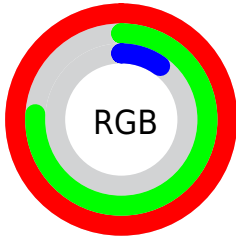
# Details

The XYZ color **60.7073, 59.9138, 9.2846** 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 **21.7791, 14.0829, 96.1775**, and the grayscale version is **51.1092, 53.7708, 58.5564**.

A 20% lighter version of the original color is **77.4014, 90.4215, 23.7295**, and **31.5172, 30.3872, 4.2042** is the 20% darker color. If you saturate the color by 10%, you get **59.0895, 56.9594, 7.8799**, and if you desaturate by 10%, it is **62.6595, 63.1605, 11.9645**.

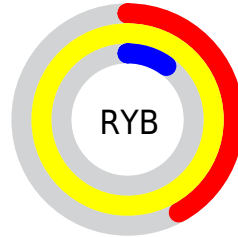
# Distribution



Red (100%)

Green (76%)

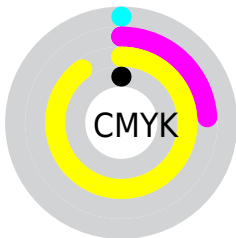
Blue (10%)



Red (42%)

Yellow (100%)

Blue (10%)

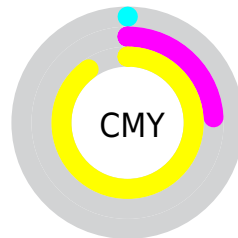


Cyan (0%)

Magenta (24%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7073, 59.9138, 9.2846 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 60.7073, 59.9138, 9.2846 by changing the saturation by 10% instead.




 60.7073, 59.9138,  
9.2846

 60.7073, 59.9138,  
9.2846


416.9931,  
424.2800, 195.7826


 44.2406, 43.3492,  
4.8279


 104.9555,  
104.7046, 25.0273


 31.0585, 30.1592,  
2.0897


 133.4678,  
133.6996, 37.1505


 20.7954, 19.9594,  
0.6096


 166.7260,  
167.6068, 52.6663

 13.0861, 12.3656,  
0.0000

 205.0954,  
206.8106, 71.9931

 7.5653, 6.9932,  
0.0000

 248.9415,  
251.6954, 95.5496

 3.8675, 3.4578,  
0.0000

 298.6296,

 1.6275, 1.3752,

302.6457, 123.7544

0.0000

354.5250,  
360.0457, 157.0258

■ 0.4102, 0.1983,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.7073, 59.9138,  
9.2846

■ 60.7073, 59.9138,  
9.2846

■ 59.0895, 56.9594,  
7.8799

■ 62.6595, 63.1605,  
11.9645

■ 64.9865, 66.6657,  
16.2821

■ 67.7350, 70.4519,  
22.4722

■ 70.9427, 74.5355,  
30.7302

74.6429, 78.9312,  
41.2268

78.8655, 83.6523,  
54.1151

83.6376, 88.7109,  
69.5344

88.9844, 94.1183,  
87.6133

94.9294, 99.8852,  
108.4717

# Harmonies

## Analogous

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



78.7773, 59.9138, 15.0317



60.7073, 59.9138, 9.2846



44.7905, 59.9138, 11.4073

# Triad

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



60.7073, 59.9138, 9.2846



31.8229, 59.9138, 110.5703



87.6912, 59.9138, 138.6127

# Complementary

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



60.7073, 59.9138, 9.2846



21.7791, 14.0829, 96.1775

# 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.



71.1235, 59.9138, 195.1194



60.7073, 59.9138, 9.2846



39.5744, 59.9138, 174.0421

# Square

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



60.7073, 59.9138, 9.2846



30.1340, 59.9138, 55.2511



53.3439, 59.9138, 210.5798



96.2438, 59.9138, 76.3566



# Rectangle

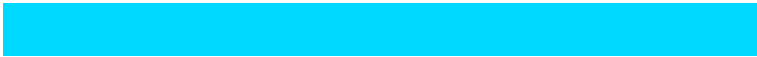
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.7073, 59.9138, 9.2846



37.1661, 59.9138, 18.0439



53.3439, 59.9138, 210.5798



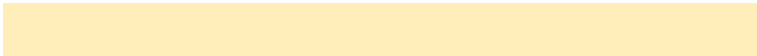
82.7327, 59.9138, 159.9527

# Sweetspot

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



60.7086, 59.9168, 9.2858



80.3282, 85.2301, 58.7553



43.2811, 22.6330, 10.9638



16.8592, 17.8819, 11.5157



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.



60.7086, 59.9168, 9.2858



59.0899, 56.9598, 7.8800



60.1130, 84.0538, 13.9761



19.1297, 20.2277, 19.0404



31.0047, 30.0205, 4.1604



3.1084, 3.1022, 0.4349



# Inverse Universe

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



21.7791, 14.0829, 96.1775



20.0945, 11.3091, 95.7315



21.5952, 9.5641, 95.3149



17.3947, 18.1611, 22.8386



10.6031, 6.1158, 50.0562



1.1173, 0.7653, 4.9021



# Previews

## White Background



This preview shows how the XYZ color 60.7073, 59.9138, 9.2846 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 60.7073, 59.9138, 9.2846 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 60.7073, 59.9138, 9.2846**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.7073, 59.9138, 9.2846.



This preview shows how white text looks on a background with the XYZ color 60.7073, 59.9138,



# 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

60.7073, 59.9138, 9.2846

### Protanopia

54.1156, 59.9276, 9.8136

### Deuteranopia

61.2214, 60.1194, 11.9919



## Tritanopia

68.5528, 59.9434, 60.1817

# Trichromacy



## Original Color

60.7073, 59.9138, 9.2846

## Protanomaly

56.1120, 59.5648, 9.5767

## Deuteranomaly

60.9864, 60.0254, 10.7546

## Tritanomaly

63.5263, 58.9477, 30.5841

# Monochromacy



## Original Color

60.7073, 59.9138, 9.2846

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

51.5537, 54.4048, 29.6138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7073, 59.9138, 9.2846 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, 194, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 25)  
}
```

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, 194, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7073, 59.9138, 9.2846 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, 194, 25) }
```



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

```
.border{ border-color:rgb(255, 194, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7073, 59.9138, 9.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 25) }
```

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

```
.background{ background-color: rgb(255,  
194, 25) }
```

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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