

# Converting Colors

XYZ(29.0016, 37.9834, 5.8030)

Have a look what the booklet for  
XYZ(29.0016, 37.9834, 5.8030)  
contains.

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# Color

**XYZ(29.0429, 38.0192,  
5.8077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BB000
RGB	155, 176, 0
RGB Percent	61%, 69%, 0%
CMY	0.3922, 0.3098, 0.9999
CMYK	0.12, 0.00, 1.00, 0.31
HSL	67°, 100%, 35%
HSV	67°, 100%, 69%
XYZ	29.0429, 38.0192, 5.8077
YIQ	149.6570, 43.9800, -59.1880

# Conversions

## Conversions Part 2

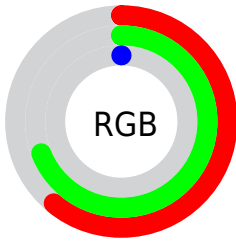
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 176, 21
Decimal	10203136
CIELab	68.03, -25.45, 69.60
CIElCh	68, 74.108, 110.082
Yxy	38.0192, 0.3986, 0.5217
Android (android.graphics.Color)	4288393216 (0xFF9BB000)
YUV	149.6570, -73.7809, 4.6858
Hunter-Lab	61.6597, -23.8276, 37.5773

# Details

The XYZ color **29.0429, 38.0192, 5.8077** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.1468, 3.2948, 41.2831**, and the grayscale version is **29.1353, 30.6526, 33.3807**.

A 20% lighter version of the original color is **57.6367, 72.3952, 17.9571**, and **12.3532, 17.0680, 2.6434** is the 20% darker color. If you saturate the color by 10%, you get **29.0433, 38.0207, 5.8080**, and if you desaturate by 10%, it is **29.5565, 38.2730, 6.3856**.

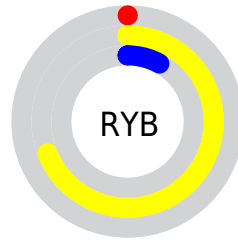
# Distribution



Red (61%)

Green (69%)

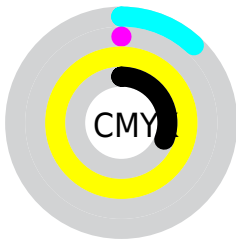
Blue (0%)



Red (0%)

Yellow (69%)

Blue (8%)

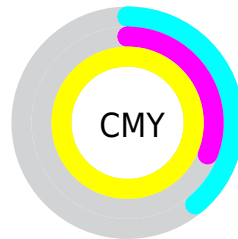


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (39%)

Magenta (31%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0429, 38.0192, 5.8077 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 29.0429, 38.0192, 5.8077 by changing the saturation by 10% instead.





 29.0429, 38.0192,  
5.8077


 29.0429, 38.0192,  
5.8077


289.4079,  
337.7023, 166.5885

 19.2577, 25.9976,  
2.6616


 57.5423, 72.1376,  
18.0012

 11.9618, 16.8218,  
0.9240


 76.9873, 95.0031,  
27.8856

 6.7897, 10.1075,  
0.0000


 100.3829,  
122.2521, 40.8533

 3.3761, 5.4703,  
0.0000

 128.0945,  
154.2689, 57.3227

 1.3556, 2.5258,  
0.0000

 160.4874,  
191.4379, 77.7123

 0.2243, 0.8895,  
0.0000

 197.9270,

 0.0000, 0.0000,

234.1436, 102.4408

0.0000

240.7788,  
282.7703, 131.9267

■ 29.0429, 38.0192,  
5.8077

■ 29.0429, 38.0192,  
5.8077

■ 29.0433, 38.0207,  
5.8080

■ 29.5565, 38.2730,  
6.3856

■ 30.1708, 38.5665,  
7.4610

■ 30.9234, 38.9162,  
9.2280

■ 31.8317, 39.3290,  
11.7774

■ 32.9103, 39.8107,  
15.1863

■ 34.1722, 40.3665,  
19.5226

■ 35.6288, 41.0011,  
24.8473

■ 37.2910, 41.7187,  
31.2164

■ 39.1686, 42.5234,  
38.6814

# Harmonies

## Analogous

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



40.0925, 38.0192, 5.0563



29.0429, 38.0192, 5.8077



21.6548, 38.0192, 12.5503

# Triad

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



29.0429, 38.0192, 5.8077



23.6904, 38.0192, 111.7252



62.6833, 38.0192, 53.3294

# Complementary

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



29.0429, 38.0192, 5.8077



8.1468, 3.2948, 41.2831

# 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.



55.9560, 38.0192, 96.9991



29.0429, 38.0192, 5.8077



32.4489, 38.0192, 140.7886

# Square

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



29.0429, 38.0192, 5.8077



19.0514, 38.0192, 67.2619



44.2993, 38.0192, 134.3038



61.2265, 38.0192, 23.1920



# Rectangle

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



29.0429, 38.0192, 5.8077



19.0372, 38.0192, 23.3082



44.2993, 38.0192, 134.3038



61.2573, 38.0192, 67.0262

# Sweetspot

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



29.0438, 38.0209, 5.8085



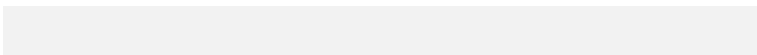
64.4649, 74.2931, 44.4990



18.1655, 9.7506, 0.9251



13.7275, 15.9949, 8.7439



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.0438, 38.0209, 5.8085



52.5443, 68.8874, 10.5272



17.8740, 32.2627, 5.2858



9.0952, 9.8542, 9.0752



21.3409, 27.9117, 4.2627



0.6994, 0.8926, 0.1354



# Inverse Universe

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



8.1468, 3.2948, 41.2831



14.6752, 5.9235, 74.8652



14.0876, 6.3574, 41.5612



8.1331, 8.2771, 10.6753



6.0041, 2.4310, 30.2898



0.2190, 0.0920, 0.9545



# Previews

## White Background



This preview shows how the XYZ color 29.0429, 38.0192, 5.8077 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 29.0429, 38.0192, 5.8077 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 29.0429, 38.0192, 5.8077**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.0429, 38.0192, 5.8077.



This preview shows how white text looks on a background with the XYZ color 29.0429, 38.0192,



# 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

29.0429, 38.0192, 5.8077

### Protanopia

34.1297, 37.8372, 5.5045

### Deuteranopia

38.5858, 37.7630, 6.4836



## Tritanopia

37.2604, 38.0103, 46.4472

# Trichromacy



## Original Color

29.0429, 38.0192, 5.8077

## Protanomaly

32.0539, 37.8634, 5.6189

## Deuteranomaly

34.3793, 37.4168, 6.0263

## Tritanomaly

32.0315, 36.9616, 20.7753

# Monochromacy



## Original Color

29.0429, 38.0192, 5.8077

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

27.4126, 32.2979, 15.6158

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.0429, 38.0192, 5.8077 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(155, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 176, 0)  
}
```

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(155, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 176, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 29.0429, 38.0192, 5.8077 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(155, 176, 0) }
```



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

```
.border{ border-color:rgb(155, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(155, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 176,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.0429, 38.0192, 5.8077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 176, 0) }
```

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

```
.background{ background-color: rgb(155,  
176, 0) }
```

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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