

# Converting Colors

XYZ(61.1055, 81.0378, 12.4213)

Have a look what the booklet for  
XYZ(61.1055, 81.0378, 12.4213)  
contains.

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# Color

**XYZ(60.9923, 80.8177,  
12.3847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F700
RGB	214, 247, 0
RGB Percent	84%, 97%, 0%
CMY	0.1608, 0.0313, 0.9999
CMYK	0.13, 0.00, 1.00, 0.03
HSL	68°, 100%, 48%
HSV	68°, 100%, 97%
XYZ	60.9923, 80.8177, 12.3847
YIQ	208.9750, 59.6190, -83.8130

# Conversions

## Conversions Part 2

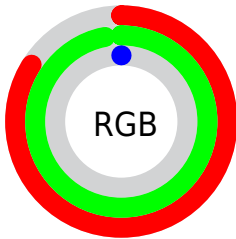
Format	Color
<a href="#">RYB</a>	<a href="#">0, 247, 33</a>
Decimal	<a href="#">14087936</a>
CIELab	<a href="#">92.05, -34.47, 89.39</a>
CIELCh	<a href="#">92, 95.805, 111.085</a>
Yxy	<a href="#">80.8177, 0.3956, 0.5241</a>
Android (android.graphics.Color)	<a href="#">4292278016</a> ( <a href="#">0xFFD6F700</a> )
YUV	<a href="#">208.9750, -103.0247, 4.4069</a>
Hunter-Lab	<a href="#">89.8987, -36.2182, 54.7611</a>

# Details

The XYZ color **60.9923, 80.8177, 12.3847** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **17.4184, 7.0406, 88.4416**, and the grayscale version is **61.2167, 64.4047, 70.1367**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **31.9572, 44.1316, 6.8339** is the 20% darker color. If you saturate the color by 10%, you get **60.9925, 80.8206, 12.3853**, and if you desaturate by 10%, it is **62.1399, 81.3921, 13.3400**.

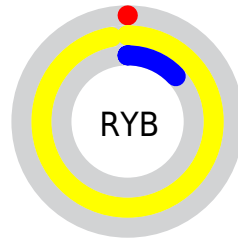
# Distribution



Red (84%)

Green (97%)

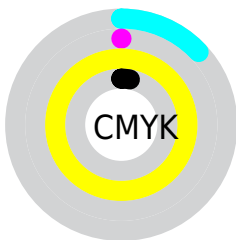
Blue (0%)



Red (0%)

Yellow (97%)

Blue (13%)

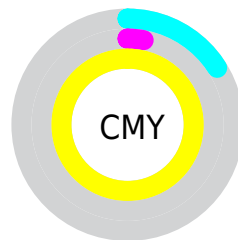


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (16%)

Magenta (3%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.9923, 80.8177, 12.3847 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 60.9923, 80.8177, 12.3847 by changing the saturation by 10% instead.




 60.9923, 80.8177,  
12.3847

 60.9923, 80.8177,  
12.3847


418.0221,  
497.6843, 218.0033

 44.4715, 60.3915,  
6.8805


 105.3660,  
134.5148, 30.8687

 31.2408, 43.7342,  
3.3102


 133.9495,  
168.5544, 44.6855


 20.9350, 30.4616,  
1.2551


 167.2847,  
207.9006, 62.1104

 13.1887, 20.1892,  
0.0246

 205.7368,  
252.9378, 83.5617

 7.6365, 12.5327,  
0.0000

 249.6713,  
304.0504, 109.4582

 3.9131, 7.1076,  
0.0000

 299.4534,

 1.6531, 3.5295,

361.6227, 140.2182

0.0000

355.4486,  
426.0392, 176.2604

■ 0.4266, 1.4140,  
0.0000

■ 0.0000, 0.2270,  
0.0000

■ 60.9923, 80.8177,  
12.3847

■ 60.9923, 80.8177,  
12.3847

■ 60.9925, 80.8206,  
12.3853

■ 62.1399, 81.3921,  
13.3400

■ 63.5239, 82.0604,  
15.4455

■ 65.2136, 82.8533,  
19.0581

■ 67.2499, 83.7871,  
24.3920

■ 69.6671, 84.8756,  
31.6270

■ 72.4950, 86.1307,  
40.9205

■ 75.7606, 87.5631,  
52.4132

■ 79.4884, 89.1828,  
66.2336

■ 83.7009, 90.9988,  
82.5004

# Harmonies

## Analogous

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



84.3980, 80.8177, 10.4766



60.9923, 80.8177, 12.3847



45.5195, 80.8177, 27.2986

# Triad

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



60.9923, 80.8177, 12.3847



50.7191, 80.8177, 241.5342



133.8078, 80.8177, 110.7580

# Complementary

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



60.9923, 80.8177, 12.3847



17.4184, 7.0406, 88.4416

# 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.



119.9170, 80.8177, 203.7951



60.9923, 80.8177, 12.3847



69.7000, 80.8177, 301.7982

# Square

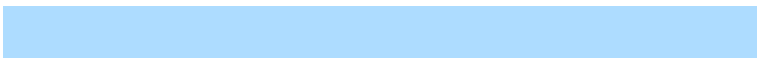
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.9923, 80.8177, 12.3847



40.5307, 80.8177, 146.4290



95.1613, 80.8177, 285.1727



130.0775, 80.8177, 47.6356



# Rectangle

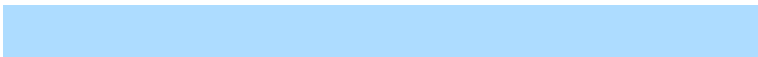
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.9923, 80.8177, 12.3847



40.1313, 80.8177, 50.9159



95.1613, 80.8177, 285.1727



130.9515, 80.8177, 139.7515

# Sweetspot

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



60.9941, 80.8214, 12.3864



81.4242, 94.1267, 56.2599



38.9030, 20.8611, 1.9772



17.0984, 20.0028, 10.8628



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.



60.9941, 80.8214, 12.3864



65.5544, 86.8796, 13.3144



37.5371, 68.7288, 11.2886



17.6841, 19.1947, 17.5705



32.3432, 42.7863, 6.5539



2.9018, 3.7910, 0.5788



# Inverse Universe

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



17.4184, 7.0406, 88.4416



18.7123, 7.5614, 95.0810



30.5875, 13.8295, 89.0579



15.7870, 16.0329, 20.8052



9.2768, 3.7567, 46.7742

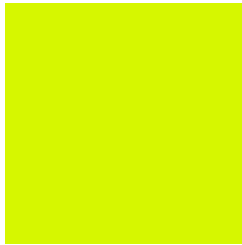


0.8785, 0.3627, 4.1139



# Previews

## White Background



This preview shows how the XYZ color 60.9923, 80.8177, 12.3847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

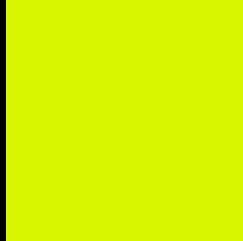
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.9923, 80.8177, 12.3847 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 60.9923, 80.8177, 12.3847**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.9923, 80.8177, 12.3847.



This preview shows how white text looks on a background with the XYZ color 60.9923, 80.8177,



# 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

60.9923, 80.8177, 12.3847

### Protanopia

73.3666, 80.2812, 28.7685

### Deuteranopia

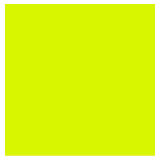
78.3874, 80.5084, 60.6984



## Tritanopia

78.8444, 80.6946, 100.2270

# Trichromacy



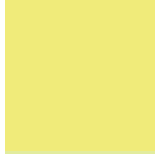
## Original Color

60.9923, 80.8177, 12.3847



## Protanomaly

67.4894, 79.6016, 18.4642



## Deuteranomaly

69.1564, 79.3471, 30.0829



## Tritanomaly

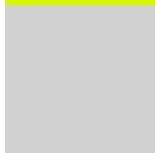
67.5310, 78.6283, 43.9653

# Monochromacy



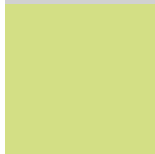
## Original Color

60.9923, 80.8177, 12.3847



## Achromatopsia

60.6036, 63.7597, 69.4343



## Achromatomaly

57.4853, 68.3177, 32.3471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.9923, 80.8177, 12.3847 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(214, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 247, 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(214, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 247, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 60.9923, 80.8177, 12.3847 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(214, 247, 0) }
```



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

```
.border{ border-color:rgb(214, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 247,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.9923, 80.8177, 12.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 247, 0) }
```

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

```
.background{ background-color: rgb(214,  
247, 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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