

# Converting Colors

XYZ(65.5353, 85.6701, 13.0819)

Have a look what the booklet for  
XYZ(65.5353, 85.6701, 13.0819)  
contains.

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# Color

**XYZ(65.2418, 85.3088,  
13.0276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFC00
RGB	223, 252, 0
RGB Percent	87%, 99%, 0%
CMY	0.1255, 0.0117, 0.9999
CMYK	0.12, 0.00, 1.00, 0.01
HSL	67°, 100%, 49%
HSV	67°, 100%, 99%
XYZ	65.2418, 85.3088, 13.0276
YIQ	214.6010, 63.6080, -84.5200

# Conversions

## Conversions Part 2

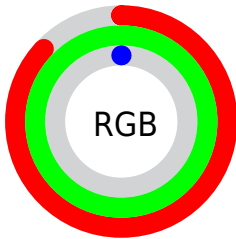
Format	Color
<a href="#">RYB</a>	<a href="#">0, 252, 29</a>
Decimal	<a href="#">14679040</a>
CIELab	<a href="#">94.02, -33.15, 91.13</a>
CIELCh	<a href="#">94, 96.971, 109.987</a>
Yxy	<a href="#">85.3088, 0.3988, 0.5215</a>
Android (android.graphics.Color)	<a href="#">4292869120 (0xFFDFFC00)</a>
YUV	<a href="#">214.6010, -105.7983, 7.3659</a>
Hunter-Lab	<a href="#">92.3628, -35.5487, 56.2912</a>

# Details

The XYZ color **65.2418, 85.3088, 13.0276** 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 **18.0801, 7.2914, 92.5552**, and the grayscale version is **64.9890, 68.3734, 74.4587**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **34.6194, 46.8167, 7.2119** is the 20% darker color. If you saturate the color by 10%, you get **65.2422, 85.3119, 13.0282**, and if you desaturate by 10%, it is **66.3232, 85.8486, 14.0081**.

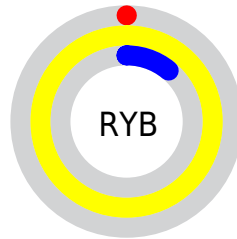
# Distribution



Red (87%)

Green (99%)

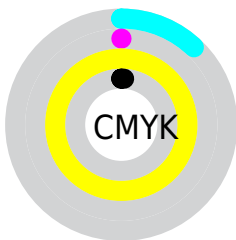
Blue (0%)



Red (0%)

Yellow (99%)

Blue (11%)

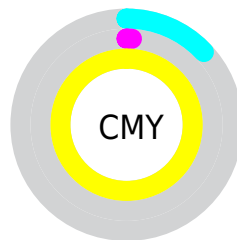


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (13%)

Magenta (1%)

Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.2418, 85.3088, 13.0276 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 65.2418, 85.3088, 13.0276 by changing the saturation by 10% instead.





 65.2418, 85.3088,  
13.0276

 65.2418, 85.3088,  
13.0276


433.1919,  
512.6493, 222.3085


 47.9226, 64.0966,  
7.3166


 111.4612,  
140.8045, 32.0453


 33.9766, 46.7289,  
3.5794


 141.0921,  
175.8568, 46.1890


 23.0384, 32.8214,  
1.3976


 175.5576,  
216.2913, 63.9808


 14.7427, 21.9896,  
0.1398

 215.2231,  
262.4922, 85.8391

 8.7242, 13.8493,  
0.0000

 260.4539,  
314.8441, 112.1825

 4.6174, 8.0159,  
0.0000

 311.6154,

 2.0570, 4.1051,

373.7313, 143.4295

0.0000

369.0730,  
439.5383, 179.9986

■ 0.6657, 1.7325,  
0.0000

■ 0.0000, 0.4446,  
0.0000

■ 65.2418, 85.3088,  
13.0276

■ 65.2418, 85.3088,  
13.0276

■ 65.2422, 85.3119,  
13.0282

■ 66.3232, 85.8486,  
14.0081

■ 67.6474, 86.4843,  
16.1952

■ 69.2866, 87.2477,  
19.9607

■ 71.2838, 88.1560,  
25.5297

■ 73.6748, 89.2238,  
33.0914

■ 76.4911, 90.4634,  
42.8108

■ 79.7610, 91.8863,  
54.8361

■ 83.5100, 93.5027,  
69.3020

■ 87.7619, 95.3221,  
86.3333

# Harmonies

## Analogous

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



90.0435, 85.3088, 11.3726



65.2418, 85.3088, 13.0276



48.6410, 85.3088, 28.0997

# Triad

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



65.2418, 85.3088, 13.0276



53.1216, 85.3088, 250.2939



140.5951, 85.3088, 119.9235

# Complementary

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



65.2418, 85.3088, 13.0276



18.0801, 7.2914, 92.5552

# 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.



125.4597, 85.3088, 217.8894



65.2418, 85.3088, 13.0276



72.7384, 85.3088, 315.6565

# Square

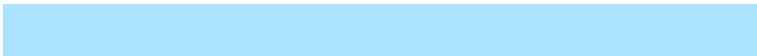
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2418, 85.3088, 13.0276



42.7448, 85.3088, 150.5847



99.3019, 85.3088, 301.3874



137.3893, 85.3088, 52.2064



# Rectangle

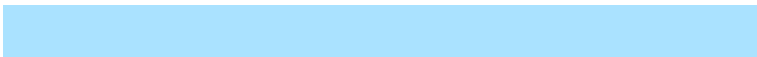
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2418, 85.3088, 13.0276



42.7499, 85.3088, 52.1649



99.3019, 85.3088, 301.3874



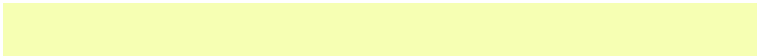
137.3782, 85.3088, 150.6688

# Sweetspot

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



65.2437, 85.3127, 13.0294



81.9200, 94.3822, 56.2831



40.5001, 21.4021, 1.9975



17.2186, 20.0647, 10.8684



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.



65.2437, 85.3127, 13.0294



67.0124, 87.6312, 13.3826



40.1599, 72.3815, 11.8555



18.5191, 20.0834, 18.3628



34.0645, 44.4792, 6.7900



3.2091, 4.1474, 0.6314



# Inverse Universe

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



18.0801, 7.2914, 92.5552



18.5668, 7.4864, 95.0742



30.3753, 13.6298, 93.1306



16.4686, 16.7387, 21.7482



9.4776, 3.8286, 48.2130

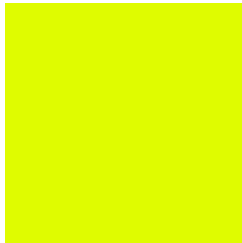


0.9359, 0.3845, 4.4681



# Previews

## White Background



This preview shows how the XYZ color 65.2418, 85.3088, 13.0276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

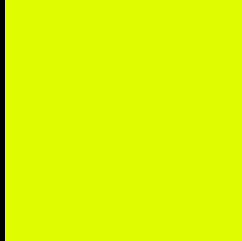
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.2418, 85.3088, 13.0276 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 65.2418, 85.3088, 13.0276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.2418, 85.3088, 13.0276.



This preview shows how white text looks on a background with the XYZ color 65.2418, 85.3088,



# 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

65.2418, 85.3088, 13.0276

### Protanopia

78.4254, 85.0534, 46.9338

### Deuteranopia

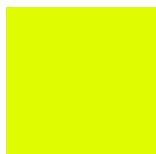
82.0480, 84.6597, 71.6911



## Tritanopia

83.7704, 84.8147, 104.8842

# Trichromacy



## Original Color

65.2418, 85.3088, 13.0276



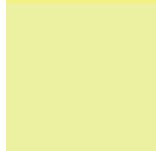
## Protanomaly

71.5114, 84.1553, 25.5713



## Deuteranomaly

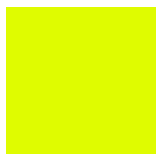
72.5823, 83.6312, 34.1467



## Tritanomaly

72.1493, 83.1460, 45.9643

# Monochromacy



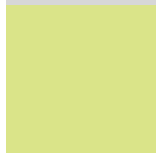
## Original Color

65.2418, 85.3088, 13.0276



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.1722, 72.1984, 34.3785

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.2418, 85.3088, 13.0276 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(223, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 252, 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(223, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 252, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 65.2418, 85.3088, 13.0276 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(223, 252, 0) }
```



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

```
.border{ border-color:rgb(223, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(223, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 252,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.2418, 85.3088, 13.0276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 252, 0) }
```

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

```
.background{ background-color: rgb(223,  
252, 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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