

# Converting Colors

XYZ(56.1449, 73.5826, 16.9469)

Have a look what the booklet for  
XYZ(56.1449, 73.5826, 16.9469)  
contains.

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# Color

**XYZ(56.2602, 73.8354,  
16.9167)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCED45
RGB	204, 237, 69
RGB Percent	80%, 93%, 27%
CMY	0.2000, 0.0706, 0.7294
CMYK	0.14, 0.00, 0.71, 0.07
HSL	72°, 82%, 60%
HSV	72°, 71%, 93%
XYZ	56.2602, 73.8354, 16.9167
YIQ	207.9810, 34.2600, -59.2440

# Conversions

## Conversions Part 2

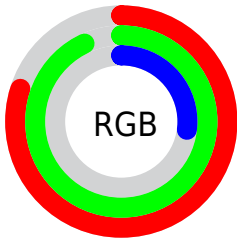
Format	Color
<b>RYB</b>	69, 237, 102
Decimal	13430085
CIELab	88.84, -32.10, 73.25
CIELCh	89, 79.974, 113.666
Yxy	73.8354, 0.3827, 0.5022
Android (android.graphics.Color)	4291620165 (0xFFCCED45)
YUV	207.9810, -68.5176, -3.4913
Hunter-Lab	85.9275, -33.5021, 48.4767

# Details

The XYZ color **56.2602, 73.8354, 16.9167** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **22.8963, 13.1973, 81.4657**, and the grayscale version is **60.3586, 63.5020, 69.1536**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **28.3779, 39.1587, 6.0627** is the 20% darker color. If you saturate the color by 10%, you get **54.4097, 72.9526, 13.7272**, and if you desaturate by 10%, it is **58.4459, 74.8620, 21.6574**.

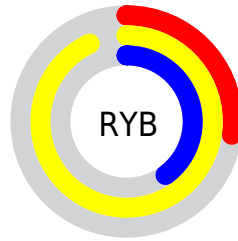
# Distribution



Red (80%)

Green (93%)

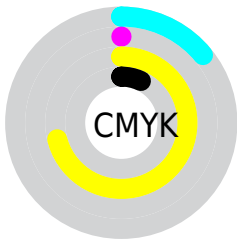
Blue (27%)



Red (27%)

Yellow (93%)

Blue (40%)

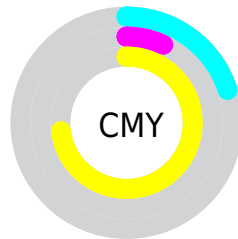


Cyan (14%)

Magenta (0%)

Yellow (71%)

Black (7%)



Cyan (20%)

Magenta (7%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2602, 73.8354, 16.9167 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 56.2602, 73.8354, 16.9167 by changing the saturation by 10% instead.





 56.2602, 73.8354,  
16.9167


 56.2602, 73.8354,  
16.9167


400.7305,  
473.9051, 246.7196


 40.6494, 54.6593,  
10.0138


 98.5225, 124.6624,  
38.9712

 28.2317, 39.1290,  
5.3024


 125.9047,  
157.0822, 54.9598


 18.6417, 26.8601,  
2.3639


 157.9415,  
194.6853, 74.8142

 11.5142, 17.4682,  
0.7667

 194.9981,  
237.8562, 98.9527

 6.4836, 10.5689,  
0.0000

 237.4400,  
286.9792, 127.7939

 3.1847, 5.7777,  
0.0000

285.6324,

 1.2522, 2.7104,

342.4388, 161.7565

0.0000

339.9408,  
404.6193, 201.2588

0.1470, 0.9825,  
0.0000

0.0000, 0.0000,  
0.0000

56.2602, 73.8354,  
16.9167

56.2602, 73.8354,  
16.9167

54.4097, 72.9526,  
13.7272

58.4459, 74.8620,  
21.6574


52.8517, 72.1885,  
11.8874


60.9932, 76.0350,  
28.1091


51.6316, 71.5759,  
11.0942


63.9315, 77.3689,  
36.4169


67.2854, 78.8736,  
46.7093

 71.0775, 80.5581,  
59.1031

 75.3285, 82.4308,  
73.7065

 80.0580, 84.4994,  
90.6199

 84.6970, 86.5366,  
106.8470

 86.3092, 87.3677,  
106.9224

# Harmonies

## Analogous

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



74.3696, 73.8354, 14.1400



56.2602, 73.8354, 16.9167



44.2399, 73.8354, 32.2973

# Triad

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



56.2602, 73.8354, 16.9167



50.3371, 73.8354, 200.6264



114.1035, 73.8354, 92.7503

# Complementary

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



56.2602, 73.8354, 16.9167



22.8963, 13.1973, 81.4657

# 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.



104.6743, 73.8354, 161.6350



56.2602, 73.8354, 16.9167



66.1476, 73.8354, 239.9137

# Square

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



56.2602, 73.8354, 16.9167



41.2862, 73.8354, 131.2816



86.2212, 73.8354, 223.0737



110.1325, 73.8354, 44.7192



# Rectangle

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



56.2602, 73.8354, 16.9167



40.1526, 73.8354, 53.9642



86.2212, 73.8354, 223.0737



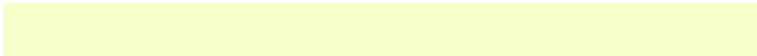
112.3478, 73.8354, 114.2919

# Sweetspot

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



56.2619, 73.8387, 16.9183



83.8304, 95.0772, 69.4697



40.5400, 27.5125, 8.8050



17.6667, 20.2280, 13.9493



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.



56.2619, 73.8387, 16.9183



63.3853, 85.7205, 15.0599



39.4155, 65.1541, 16.1299



16.0451, 17.4688, 16.0449



28.2958, 39.1315, 6.0618



2.2958, 3.1109, 0.4795



# Inverse Universe

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



22.8963, 13.1973, 81.4657



22.1303, 10.3643, 95.4419



37.1361, 20.5382, 82.1321



14.5075, 14.6914, 18.9933



9.0583, 3.7056, 43.9808



0.7871, 0.3301, 3.4571



# Previews

## White Background



This preview shows how the XYZ color 56.2602, 73.8354, 16.9167 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

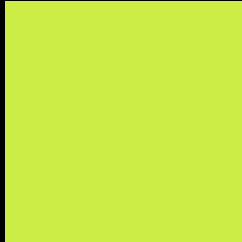
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.2602, 73.8354, 16.9167 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 56.2602, 73.8354, 16.9167**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2602, 73.8354, 16.9167.



This preview shows how white text looks on a background with the XYZ color 56.2602, 73.8354,



# 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

56.2602, 73.8354, 16.9167

### Protanopia

66.7662, 73.4810, 15.6653

### Deuteranopia

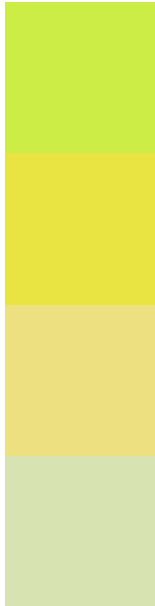
72.4067, 73.0161, 44.9276



## Tritanopia

71.2552, 73.3170, 92.0574

# Trichromacy



## Original Color

56.2602, 73.8354, 16.9167

## Protanomaly

62.3310, 73.2038, 15.9988

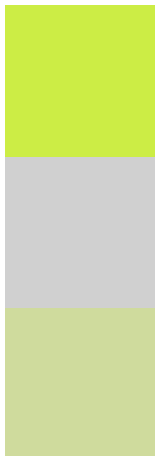
## Deuteranomaly

65.2102, 72.7292, 31.3701

## Tritanomaly

63.4292, 72.5596, 52.2573

# Monochromacy



## Original Color

56.2602, 73.8354, 16.9167

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

57.1494, 66.3628, 41.6955

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2602, 73.8354, 16.9167 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(204, 237, 69)` looks like.

```
.text, #text, p{  
    color:rgb(204, 237, 69)  
}
```

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(204, 237, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 237, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2602, 73.8354, 16.9167 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(204, 237, 69) }
```



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

```
.border{ border-color:rgb(204, 237, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 237, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 237, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 237, 69);  
box-shadow:4px 4px 4px 4px rgb(204, 237,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2602, 73.8354, 16.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 237, 69) }
```

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

```
.background{ background-color: rgb(204,  
237, 69) }
```

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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