

# Converting Colors

XYZ(52.9239, 66.6637, 18.6723)

Have a look what the booklet for  
XYZ(52.9239, 66.6637, 18.6723)  
contains.

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# Color

**XYZ(52.9239, 66.6637,  
18.6723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBE055
RGB	203, 224, 85
RGB Percent	80%, 88%, 33%
CMY	0.2039, 0.1215, 0.6667
CMYK	0.09, 0.00, 0.62, 0.12
HSL	69°, 69%, 61%
HSV	69°, 62%, 88%
XYZ	52.9239, 66.6637, 18.6723
YIQ	201.8750, 32.1030, -47.6810

# Conversions

## Conversions Part 2

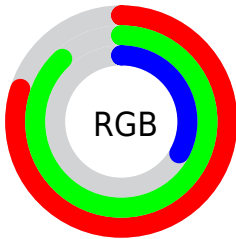
Format	Color
<a href="#">RYB</a>	<a href="#">85, 224, 106</a>
Decimal	<a href="#">13361237</a>
CIELab	<a href="#">85.33, -25.44, 63.60</a>
CIELCh	<a href="#">85, 68.496, 111.800</a>
Yxy	<a href="#">66.6637, 0.3828, 0.4822</a>
Android (android.graphics.Color)	<a href="#">4291551317 (0xFFCBE055)</a>
YUV	<a href="#">201.8750, -57.6194, 0.9866</a>
Hunter-Lab	<a href="#">81.6478, -27.1805, 43.5943</a>

# Details

The XYZ color **52.9239, 66.6637, 18.6723** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.6493, 14.9446, 72.2159**, and the grayscale version is **56.3966, 59.3337, 64.6143**.

A 20% lighter version of the original color is **81.7336, 94.6734, 38.7769**, and **26.2069, 34.5529, 6.1523** is the 20% darker color. If you saturate the color by 10%, you get **51.2598, 65.8951, 14.6621**, and if you desaturate by 10%, it is **54.8929, 67.5614, 24.1693**.

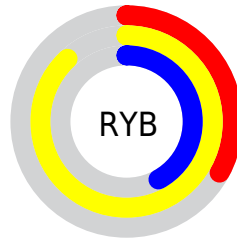
# Distribution



Red (80%)

Green (88%)

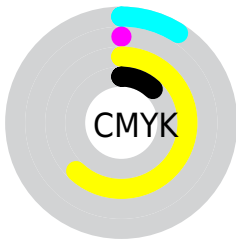
Blue (33%)



Red (33%)

Yellow (88%)

Blue (42%)

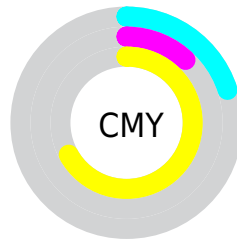


Cyan (9%)

Magenta (0%)

Yellow (62%)

Black (12%)



Cyan (20%)

Magenta (12%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9239, 66.6637, 18.6723 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 52.9239, 66.6637, 18.6723 by changing the saturation by 10% instead.





 52.9239, 66.6637,  
18.6723

 52.9239, 66.6637,  
18.6723


388.2587,  
448.7468, 256.9958


 37.9693, 48.8114,  
11.2593


 93.6586, 114.4384,  
42.0089


 26.1359, 34.4699,  
6.1252


 120.1693,  
145.1296, 58.7696

 17.0586, 23.2548,  
2.8513


 151.2628,  
180.8691, 79.4834

 10.3718, 14.7818,  
1.0192

 187.3044,  
222.0415, 104.5686

 5.7103, 8.6664,  
0.0000

228.6594,  
269.0310, 134.4440

 2.7087, 4.5242,  
0.0000

275.6932,

 1.0017, 1.9709,

322.2222, 169.5279

0.0000

328.7712,  
381.9993, 210.2390

■ 0.0000, 0.5905,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 52.9239, 66.6637,  
18.6723

■ 52.9239, 66.6637,  
18.6723

■ 51.2598, 65.8951,  
14.6621

■ 54.8929, 67.5614,  
24.1693

■ 49.8682, 65.2354,  
11.9890


■ 57.1862, 68.5887,  
31.2756


■ 48.7172, 64.6743,  
10.4796


■ 59.8271, 69.7575,  
40.1056

■ 47.9307, 64.2813,  
9.8813

■ 62.8353, 71.0754,  
50.7622

 66.2287, 72.5499,  
63.3404

 70.0244, 74.1877,  
77.9285

 74.2382, 75.9952,  
94.6092

 77.3664, 77.3708,  
105.4642

 78.4640, 77.9366,  
105.5155

# Harmonies

## Analogous

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



67.7093, 66.6637, 16.6348



52.9239, 66.6637, 18.6723



42.7045, 66.6637, 31.5566

# Triad

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



52.9239, 66.6637, 18.6723



46.6576, 66.6637, 162.4674



97.6826, 66.6637, 85.4554

# Complementary

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



52.9239, 66.6637, 18.6723



22.6493, 14.9446, 72.2159

# 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.



89.7930, 66.6637, 139.2137



52.9239, 66.6637, 18.6723



59.2046, 66.6637, 194.1134

# Square

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



52.9239, 66.6637, 18.6723



39.5189, 66.6637, 109.1294



75.0892, 66.6637, 184.2058



95.2647, 66.6637, 45.2733



# Rectangle

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



52.9239, 66.6637, 18.6723



39.0532, 66.6637, 49.0529



75.0892, 66.6637, 184.2058



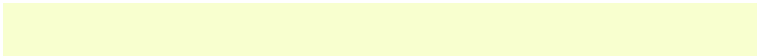
96.1077, 66.6637, 102.6481

# Sweetspot

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



52.9255, 66.6667, 18.6737



85.5649, 95.9007, 72.7444



37.5211, 26.7822, 11.7871



18.0451, 20.4094, 14.5870



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.



52.9255, 66.6667, 18.6737



68.2680, 88.1639, 18.6200



38.0736, 59.0103, 17.9786



14.6576, 15.9192, 14.6069



27.9757, 37.4545, 5.7550



1.9950, 2.6250, 0.4015



# Inverse Universe

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



22.6493, 14.9446, 72.2159



24.7161, 13.5747, 95.9252



34.4632, 21.0349, 72.7688



13.1439, 13.3422, 17.2702



8.2728, 3.3601, 41.2609



0.6345, 0.2644, 2.8628



# Previews

## White Background



This preview shows how the XYZ color 52.9239, 66.6637, 18.6723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

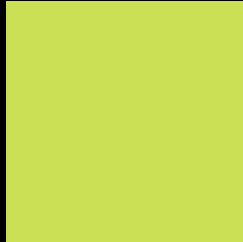
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9239, 66.6637, 18.6723 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 52.9239, 66.6637, 18.6723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9239, 66.6637, 18.6723.



This preview shows how white text looks on a background with the XYZ color 52.9239, 66.6637,



# 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

52.9239, 66.6637, 18.6723

### Protanopia

60.2423, 66.2022, 17.5858

### Deuteranopia

66.6636, 65.9780, 29.3002



## Tritanopia

65.6875, 66.4896, 81.3232

# Trichromacy



## Original Color

52.9239, 66.6637, 18.6723

## Protanomaly

57.4255, 66.2578, 17.9460

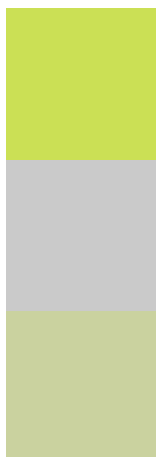
## Deuteranomaly

60.8110, 65.5913, 24.7845

## Tritanomaly

59.4789, 65.8422, 50.1314

# Monochromacy



## Original Color

52.9239, 66.6637, 18.6723

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

53.6617, 61.1529, 41.7763

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9239, 66.6637, 18.6723 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(203, 224, 85)` looks like.

```
.text, #text, p{  
    color:rgb(203, 224, 85)  
}
```

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(203, 224, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 224, 85) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9239, 66.6637, 18.6723 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(203, 224, 85) }
```



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

```
.border{ border-color:rgb(203, 224, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 224, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 224, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 224, 85);  
box-shadow:4px 4px 4px 4px rgb(203, 224,  
85) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9239, 66.6637, 18.6723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 224, 85) }
```

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

```
.background{ background-color: rgb(203,  
224, 85) }
```

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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