

# Converting Colors

XYZ(58.8109, 68.8627, 18.0796)

Have a look what the booklet for  
XYZ(58.8109, 68.8627, 18.0796)  
contains.

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# Color

**XYZ(59.0083, 69.0205,  
18.1949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DE52
RGB	226, 222, 82
RGB Percent	89%, 87%, 32%
CMY	0.1137, 0.1294, 0.6784
CMYK	0.00, 0.02, 0.64, 0.11
HSL	58°, 71%, 60%
HSV	58°, 64%, 89%
XYZ	59.0083, 69.0205, 18.1949
YIQ	207.2360, 47.3240, -42.6920

# Conversions

## Conversions Part 2

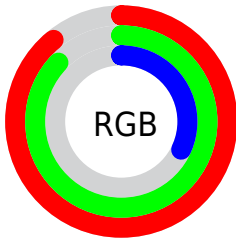
Format	Color
R <sub>Y</sub> B	86, 226, 82
Decimal	14868050
CIE Lab	86.51, -15.33, 66.59
CIE LCh	87, 68.330, 102.965
Yxy	69.0205, 0.4035, 0.4720
Android (android.graphics.Color)	4293058130 (0xFFE2DE52)
YUV	207.2360, -61.7413, 16.4560
Hunter-Lab	83.0786, -18.6041, 45.1700

# Details

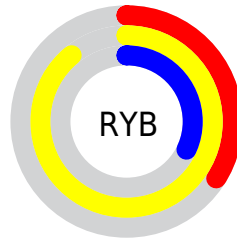
The XYZ color **59.0083, 69.0205, 18.1949** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **20.5351, 13.9402, 73.5595**, and the grayscale version is **59.8265, 62.9421, 68.5440**.

A 20% lighter version of the original color is **81.5154, 94.5861, 37.6275**, and **29.8562, 35.8934, 5.8848** is the 20% darker color. If you saturate the color by 10%, you get **58.1205, 68.4021, 14.3326**, and if you desaturate by 10%, it is **60.1830, 69.7598, 23.5513**.

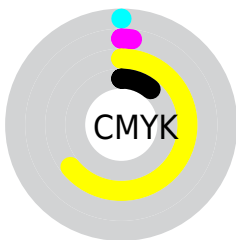
# Distribution



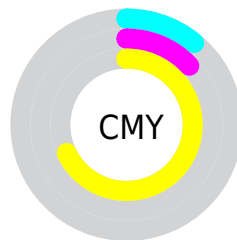
- Red (89%)
- Green (87%)
- Blue (32%)



- Red (34%)
- Yellow (89%)
- Blue (32%)



- Cyan (0%)
- Magenta (2%)
- Yellow (64%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0083, 69.0205, 18.1949 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 59.0083, 69.0205, 18.1949 by changing the saturation by 10% instead.



■ 59.0083, 69.0205,  
18.1949

■ 59.0083, 69.0205,  
18.1949

410.8262,  
457.1033, 254.2402

■ 42.8662, 50.7284,  
10.9191

■ 102.5043,  
117.8109, 41.1876

■ 29.9742, 35.9925,  
5.8990

■ 130.5889,  
149.0779, 57.7415

■ 19.9670, 24.4284,  
2.7160

■ 163.3850,  
185.4387, 78.2253

■ 12.4792, 15.6517,  
0.9514

■ 201.2580,  
227.2777, 103.0574

■ 7.1454, 9.2780,  
0.0000

244.5733,  
274.9793, 132.6564

■ 3.6003, 4.9230,  
0.0000

293.6962,

■ 1.4786, 2.2021,

328.9278, 167.4409

0.0000

348.9921,  
389.5077, 207.8293

■ 0.3112, 0.7212,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.0083, 69.0205,  
18.1949

■ 59.0083, 69.0205,  
18.1949

■ 58.1205, 68.4021,  
14.3326

■ 60.1830, 69.7598,  
23.5513

■ 57.4859, 67.8834,  
11.8072

■ 61.6650, 70.6205,  
30.5296

■ 57.0708, 67.4534,  
10.4346

■ 63.4782, 71.6146,  
39.2490

■ 56.8867, 67.2144,  
9.9754

■ 65.6429, 72.7503,  
49.8161

■ 68.1777, 74.0351,  
62.3292

■ 71.0999, 75.4758,  
76.8794

■ 74.4258, 77.0790,  
93.5523

■ 76.8884, 78.3378,  
105.6760

■ 77.0602, 78.6813,  
105.7333

# Harmonies

## Analogous

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



74.9278, 69.0205, 18.8245



59.0083, 69.0205, 18.1949



46.9693, 69.0205, 27.7127

# Triad

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



59.0083, 69.0205, 18.1949



45.7565, 69.0205, 151.5810



99.2144, 69.0205, 103.6870

# Complementary

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



59.0083, 69.0205, 18.1949



20.5351, 13.9402, 73.5595

# 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.



88.6066, 69.0205, 158.6775



59.0083, 69.0205, 18.1949



57.0839, 69.0205, 193.0851

# Square

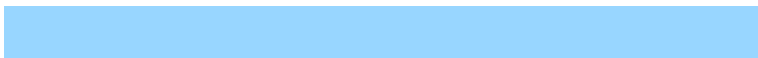
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.0083, 69.0205, 18.1949



40.1890, 69.0205, 96.4508



72.6693, 69.0205, 196.1066



99.9534, 69.0205, 57.2444



# Rectangle

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



59.0083, 69.0205, 18.1949



42.0564, 69.0205, 42.0881



72.6693, 69.0205, 196.1066



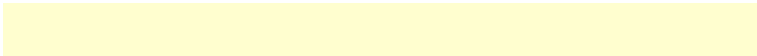
96.6151, 69.0205, 122.1384

# Sweetspot

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



59.0099, 69.0237, 18.1963



87.7804, 96.4087, 72.7257



36.0938, 22.8889, 11.4906



18.5889, 20.5336, 14.5823



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.



59.0099, 69.0237, 18.1963



76.1570, 89.7378, 17.7504



42.9782, 62.3523, 17.7536



14.8375, 15.9609, 14.6055



32.4694, 38.3767, 5.6961



2.2610, 2.6809, 0.3983



# Inverse Universe

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



20.5351, 13.9402, 73.5595



21.9688, 12.1824, 95.8013



29.1764, 17.9348, 73.8751



12.9824, 13.3039, 17.2713



7.8845, 3.2385, 41.2579

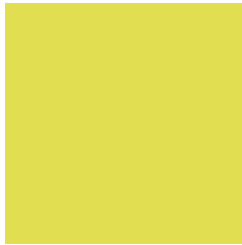


0.5574, 0.2463, 2.8634



# Previews

## White Background



This preview shows how the XYZ color 59.0083, 69.0205, 18.1949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

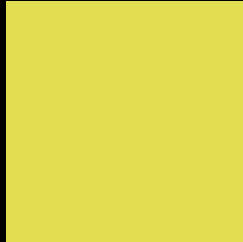
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.0083, 69.0205, 18.1949 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 59.0083, 69.0205, 18.1949**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.0083, 69.0205, 18.1949.



This preview shows how white text looks on a background with the XYZ color 59.0083, 69.0205,



# 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

59.0083, 69.0205, 18.1949

### Protanopia

62.9160, 69.0970, 17.8056

### Deuteranopia

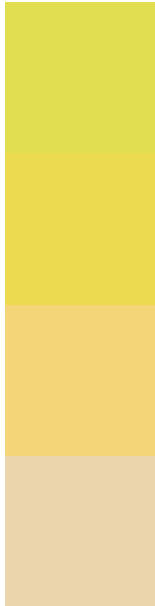
68.8482, 68.7840, 34.8473



## Tritanopia

71.6070, 68.8443, 80.0352

# Trichromacy



## Original Color

59.0083, 69.0205, 18.1949

## Protanomaly

61.4088, 69.0900, 17.8837

## Deuteranomaly

64.7450, 68.6823, 27.6139

## Tritanomaly

65.1723, 68.0595, 48.7316

# Monochromacy



## Original Color

59.0083, 69.0205, 18.1949

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

57.7966, 63.9917, 43.4879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.0083, 69.0205, 18.1949 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(226, 222, 82)` looks like.

```
.text, #text, p{  
    color:rgb(226, 222, 82)  
}
```

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(226, 222, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 222, 82) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0083, 69.0205, 18.1949 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(226, 222, 82) }
```



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

```
.border{ border-color:rgb(226, 222, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 222, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 222, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 222, 82);  
box-shadow:4px 4px 4px 4px rgb(226, 222,  
82) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0083, 69.0205, 18.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 222, 82) }
```

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

```
.background{ background-color: rgb(226,  
222, 82) }
```

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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