

# Converting Colors

XYZ(59.7982, 71.1907, 17.2984)

Have a look what the booklet for  
XYZ(59.7982, 71.1907, 17.2984)  
contains.

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# Color

**XYZ(59.8304, 71.0695,  
17.2210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E24B
RGB	226, 226, 75
RGB Percent	89%, 89%, 29%
CMY	0.1137, 0.1137, 0.7059
CMYK	0.00, 0.00, 0.67, 0.11
HSL	60°, 72%, 59%
HSV	60°, 67%, 89%
XYZ	59.8304, 71.0695, 17.2210
YIQ	208.7860, 48.4710, -46.9610

# Conversions

## Conversions Part 2

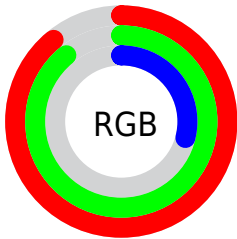
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 226, 75
Decimal	14869067
CIELab	87.52, -17.69, 70.32
CIELCh	88, 72.512, 104.119
Yxy	71.0695, 0.4039, 0.4798
Android (android.graphics.Color)	4293059147 (0xFFE2E24B)
YUV	208.7860, -65.9565, 15.0967
Hunter-Lab	84.3027, -20.8467, 46.9004

# Details

The XYZ color **59.8304, 71.0695, 17.2210** 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 **19.1473, 12.0205, 73.2670**, and the grayscale version is **60.8609, 64.0304, 69.7291**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **30.4993, 37.3413, 5.6001** is the 20% darker color. If you saturate the color by 10%, you get **59.1905, 70.8162, 13.8460**, and if you desaturate by 10%, it is **60.7482, 71.4393, 22.0453**.

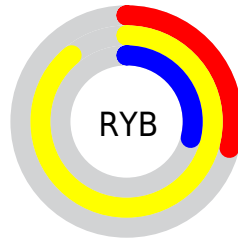
# Distribution



Red (89%)

Green (89%)

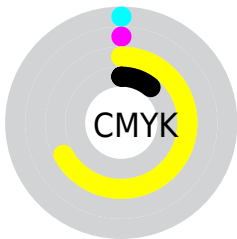
Blue (29%)



Red (29%)

Yellow (89%)

Blue (29%)

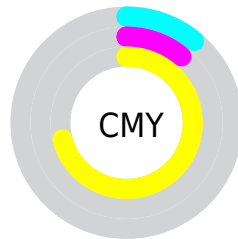


Cyan (0%)

Magenta (0%)

Yellow (67%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8304, 71.0695, 17.2210 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 59.8304, 71.0695, 17.2210 by changing the saturation by 10% instead.



■ 59.8304, 71.0695,  
17.2210

■ 59.8304, 71.0695,  
17.2210

413.8171,  
464.2964, 248.5297

■ 43.5309, 52.3989,  
10.2286

■ 103.6913,  
120.7327, 39.5012

■ 30.4982, 37.3231,  
5.4432

■ 131.9835,  
152.4941, 55.6261

■ 20.3670, 25.4578,  
2.4463

■ 165.0039,  
189.3878, 75.6321

■ 12.7719, 16.4184,  
0.8115

■ 203.1179,  
231.7984, 99.9380

■ 7.3476, 9.8207,  
0.0000

■ 246.6909,  
280.1101, 128.9621

■ 3.7287, 5.2803,  
0.0000

296.0882,

■ 1.5498, 2.4126,

334.7074, 163.1230

0.0000

351.6751,  
395.9747, 202.8394

■ 0.3593, 0.8324,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.8304, 71.0695,  
17.2210

■ 59.8304, 71.0695,  
17.2210

■ 59.1905, 70.8162,  
13.8460

■ 60.7482, 71.4393,  
22.0453

■ 58.7931, 70.6571,  
11.7547

■ 61.9652, 71.9261,  
28.4522

■ 58.6004, 70.5800,  
10.7416

■ 63.5061, 72.5426,  
36.5650

■ 58.5608, 70.5642,  
10.5338

■ 65.3919, 73.2969,  
46.4933

■ 67.6415, 74.1968,  
58.3379

■ 70.2727, 75.2493,  
72.1920

■ 73.3020, 76.4611,  
88.1428

■ 76.6144, 77.7861,  
105.5839

■ 76.6148, 77.7862,  
105.5840

# Harmonies

## Analogous

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



76.9678, 71.0695, 17.4982



59.8304, 71.0695, 17.2210



47.1195, 71.0695, 27.5019

# Triad

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



59.8304, 71.0695, 17.2210



46.5583, 71.0695, 163.3607



104.4338, 71.0695, 106.1671

# Complementary

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



59.8304, 71.0695, 17.2210



19.1473, 12.0205, 73.2670

# 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.



93.1666, 71.0695, 166.7598



59.8304, 71.0695, 17.2210



58.9325, 71.0695, 208.1644

# Square

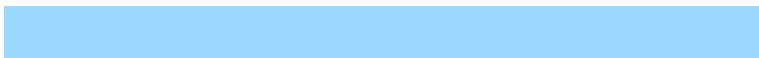
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.8304, 71.0695, 17.2210



40.3809, 71.0695, 102.7447



75.9054, 71.0695, 209.6201



104.7847, 71.0695, 56.5806



# Rectangle

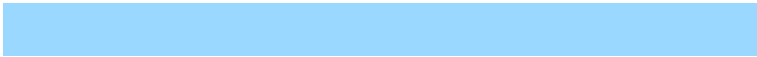
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.8304, 71.0695, 17.2210



42.0412, 71.0695, 43.0826



75.9054, 71.0695, 209.6201



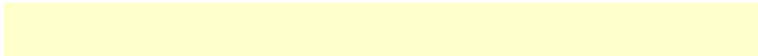
101.7219, 71.0695, 126.2847

# Sweetspot

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



59.8320, 71.0728, 17.2225



87.8982, 97.1392, 71.2437



35.1526, 21.7107, 8.9954



18.6340, 20.7198, 14.3020



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.



59.8320, 71.0728, 17.2225



77.5941, 93.0173, 16.9964



41.1391, 61.4363, 16.3476



14.8718, 16.0296, 14.6170



33.4069, 40.2544, 6.0091



2.3156, 2.7902, 0.4165



# Inverse Universe

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



19.1473, 12.0205, 73.2670



20.5995, 10.2917, 95.5085



28.9157, 17.0563, 73.7241



12.9522, 13.2434, 17.2613



7.8316, 3.1327, 41.2403

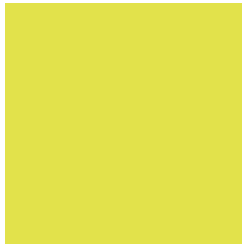


0.5429, 0.2171, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 59.8304, 71.0695, 17.2210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

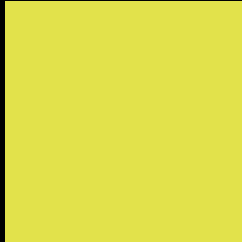
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.8304, 71.0695, 17.2210 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 59.8304, 71.0695, 17.2210

## Background



This preview shows how black text looks on a background with the XYZ color 59.8304, 71.0695, 17.2210.



This preview shows how white text looks on a background with the XYZ color 59.8304, 71.0695,



# 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

59.8304, 71.0695, 17.2210

### Protanopia

64.4520, 71.0799, 16.6261

### Deuteranopia

70.3694, 70.5813, 39.1928



## Tritanopia

73.2330, 70.7152, 83.1884

# Trichromacy



## Original Color

59.8304, 71.0695, 17.2210

## Protanomaly

62.6172, 70.9141, 16.8661

## Deuteranomaly

65.6962, 70.2889, 28.8434

## Tritanomaly

66.2632, 69.7525, 49.0009

# Monochromacy



## Original Color

59.8304, 71.0695, 17.2210

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

58.6699, 65.5860, 42.8248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.8304, 71.0695, 17.2210 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, 226, 75)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 75)  
}
```

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, 226, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 75) }
```

## Border

The CSS property to change the border of an element to XYZ 59.8304, 71.0695, 17.2210 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, 226, 75) }
```



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

```
.border{ border-color:rgb(226, 226, 75) }
```

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

Here you see how a box with a 4 pixel rgb(226, 226, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 75);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
75) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.8304, 71.0695, 17.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 75) }
```

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

```
.background{ background-color: rgb(226,  
226, 75) }
```

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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