

# Converting Colors

XYZ(58.2303, 67.2463, 19.6141)

Have a look what the booklet for  
XYZ(58.2303, 67.2463, 19.6141)  
contains.

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# Color

**XYZ(58.2283, 67.4088,  
19.6151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1DB5A
RGB	225, 219, 90
RGB Percent	88%, 86%, 35%
CMY	0.1176, 0.1412, 0.6470
CMYK	0.00, 0.03, 0.60, 0.12
HSL	57°, 69%, 62%
HSV	57°, 60%, 88%
XYZ	58.2283, 67.4088, 19.6151
YIQ	206.0880, 44.9850, -38.8470

# Conversions

## Conversions Part 2

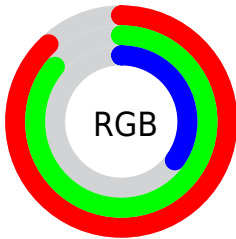
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 225, 90
Decimal	14801754
CIELab	85.71, -13.75, 62.41
CIELCh	86, 63.904, 102.426
Yxy	67.4088, 0.4009, 0.4641
Android (android.graphics.Color)	4292991834 (0xFFE1DB5A)
YUV	206.0880, -57.2314, 16.5858
Hunter-Lab	82.1029, -17.0857, 43.3071

# Details

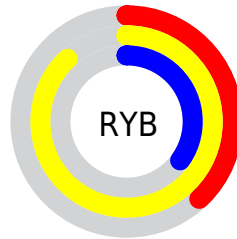
The XYZ color **58.2283, 67.4088, 19.6151** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **21.9899, 15.9753, 73.1582**, and the grayscale version is **59.0591, 62.1347, 67.6647**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **29.4725, 34.8707, 6.5438** is the 20% darker color. If you saturate the color by 10%, you get **57.1527, 66.5653, 15.2259**, and if you desaturate by 10%, it is **59.5984, 68.3776, 25.5337**.

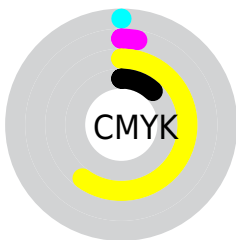
# Distribution



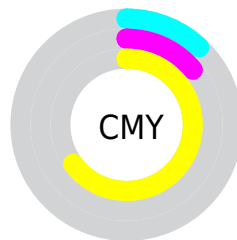
- Red (88%)
- Green (86%)
- Blue (35%)



- Red (38%)
- Yellow (88%)
- Blue (35%)



- Cyan (0%)
- Magenta (3%)
- Yellow (60%)
- Black (12%)



- Cyan (12%)
- Magenta (14%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2283, 67.4088, 19.6151 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 58.2283, 67.4088, 19.6151 by changing the saturation by 10% instead.



■ 58.2283, 67.4088,  
19.6151

■ 58.2283, 67.4088,  
19.6151

407.9763,  
451.3985, 262.3587

■ 42.2362, 49.4169,  
11.9343

■ 101.3763,  
115.5060, 43.6214

■ 29.4782, 34.9503,  
6.5769

■ 129.2629,  
146.3801, 60.7839

■ 19.5890, 23.6246,  
3.1246

■ 161.8450,  
182.3170, 81.9441

■ 12.2031, 15.0554,  
1.1586

■ 199.4881,  
223.7012, 107.5205

■ 6.9554, 8.8583,  
0.0000

242.5573,  
270.9171, 137.9316

■ 3.4803, 4.6489,  
0.0000

291.4182,

■ 1.4125, 2.0427,

324.3490, 173.5960

0.0000

346.4361,  
384.3813, 214.9321

■ 0.2651, 0.6321,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.2283, 67.4088,  
19.6151

■ 58.2283, 67.4088,  
19.6151

■ 57.1527, 66.5653,  
15.2259

■ 59.5984, 68.3776,  
25.5337

■ 56.3399, 65.8269,  
12.2195


■ 61.2821, 69.4718,  
33.1025


■ 55.7591, 65.1839,  
10.4277


■ 63.3021, 70.7031,  
42.4349

■ 55.3543, 64.6137,  
9.5543


■ 65.6779, 72.0792,  
53.6330

 55.3542, 64.6136,  
9.5542

 68.4274, 73.6073,  
66.7913

 71.5673, 75.2941,  
81.9978

 75.1134, 77.1458,  
99.3353

 76.5695, 78.1642,  
105.6593

 76.8435, 78.7122,  
105.7506

# Harmonies

## Analogous

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



72.9071, 67.4088, 20.3992



58.2283, 67.4088, 19.6151



46.9662, 67.4088, 28.6715

# Triad

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



58.2283, 67.4088, 19.6151



45.5345, 67.4088, 141.9286



94.6633, 67.4088, 100.3870

# Complementary

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



58.2283, 67.4088, 19.6151



21.9899, 15.9753, 73.1582

# 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.



84.8914, 67.4088, 149.9854



58.2283, 67.4088, 19.6151



55.9775, 67.4088, 179.5432

# Square

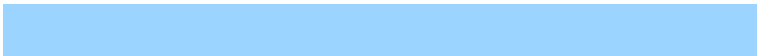
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.2283, 67.4088, 19.6151



40.4191, 67.4088, 92.0523



70.2900, 67.4088, 182.9507



95.5107, 67.4088, 57.4490



# Rectangle

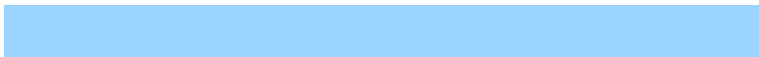
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2283, 67.4088, 19.6151



42.3057, 67.4088, 42.1676



70.2900, 67.4088, 182.9507



92.2521, 67.4088, 117.1562

# Sweetspot

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



58.2299, 67.4119, 19.6165



87.8744, 96.0951, 74.3033



36.8538, 24.1789, 13.9737



18.5942, 20.4469, 14.8841



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.



58.2299, 67.4119, 19.6165



75.6048, 88.1493, 19.0585



44.1324, 62.5076, 19.4129



14.8169, 15.9197, 14.5987



31.9214, 37.2807, 5.5135



2.2290, 2.6168, 0.3876



# Inverse Universe

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



21.9899, 15.9753, 73.1582



23.5139, 14.2466, 96.1183



29.9635, 19.3048, 73.3806



13.0006, 13.3403, 17.2774



7.9163, 3.3022, 41.2685

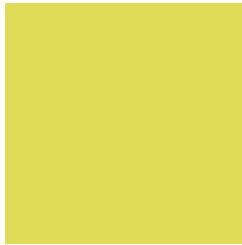


0.5662, 0.2638, 2.8663



# Previews

## White Background



This preview shows how the XYZ color 58.2283, 67.4088, 19.6151 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 58.2283, 67.4088, 19.6151 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

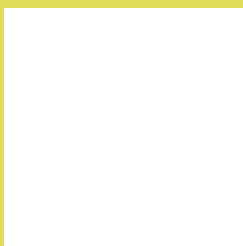
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.2283, 67.4088, 19.6151

## Background



This preview shows how black text looks on a background with the XYZ color 58.2283, 67.4088, 19.6151.



This preview shows how white text looks on a background with the XYZ color 58.2283, 67.4088,



# 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

58.2283, 67.4088, 19.6151

### Protanopia

61.1096, 66.9915, 19.1610

### Deuteranopia

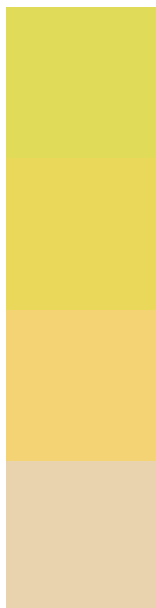
67.5449, 67.0961, 31.5811



## Tritanopia

69.9412, 66.9411, 78.3419

# Trichromacy



## Original Color

58.2283, 67.4088, 19.6151

## Protanomaly

59.9633, 67.1566, 19.2533

## Deuteranomaly

63.8134, 67.1060, 26.4190

## Tritanomaly

64.2908, 66.4728, 49.4864

# Monochromacy



## Original Color

58.2283, 67.4088, 19.6151

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

57.4357, 63.4150, 44.3351

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2283, 67.4088, 19.6151 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(225, 219, 90)` looks like.

```
.text, #text, p{  
    color:rgb(225, 219, 90)  
}
```

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(225, 219, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 219, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2283, 67.4088, 19.6151 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(225, 219, 90) }
```



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

```
.border{ border-color:rgb(225, 219, 90) }
```

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

Here you see how a box with a 4 pixel rgb(225, 219, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 219, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 219, 90);  
box-shadow:4px 4px 4px 4px rgb(225, 219,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2283, 67.4088, 19.6151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 219, 90) }
```

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

```
.background{ background-color: rgb(225,  
219, 90) }
```

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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