

Converting Colors

XYZ(50.8688, 58.5150, 13.9236)

Have a look what the booklet for
XYZ(50.8688, 58.5150, 13.9236)
contains.

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Color

**XYZ(50.8688, 58.5150,
13.9236)**

Conversions

Conversions Part 1

Format	Color
Hex	D7CD43
RGB	215, 205, 67
RGB Percent	84%, 80%, 26%
CMY	0.1569, 0.1961, 0.7372
CMYK	0.00, 0.05, 0.69, 0.16
HSL	56°, 65%, 55%
HSV	56°, 69%, 84%
XYZ	50.8688, 58.5150, 13.9236
YIQ	192.2580, 50.2580, -40.7980

Conversions

Conversions Part 2

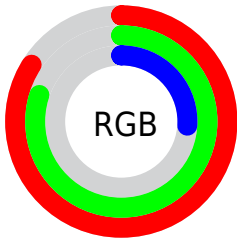
Format	Color
RYB	78, 215, 67
Decimal	14142787
CIELab	81.02, -12.26, 66.52
CIELCh	81, 67.642, 100.439
Yxy	58.5150, 0.4125, 0.4745
Android (android.graphics.Color)	4292332867 (0xFFD7CD43)
YUV	192.2580, -61.7522, 19.9447
Hunter-Lab	76.4951, -15.1649, 42.7546

Details

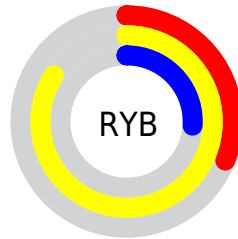
The XYZ color **50.8688, 58.5150, 13.9236** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.2344, 11.4072, 65.5831**, and the grayscale version is **50.5844, 53.2188, 57.9552**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **24.9712, 29.3013, 4.3396** is the 20% darker color. If you saturate the color by 10%, you get **49.9946, 57.6144, 11.0195**, and if you desaturate by 10%, it is **51.9883, 59.5233, 18.0915**.

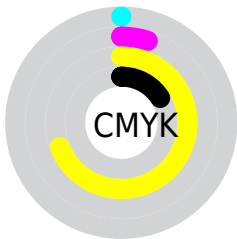
Distribution



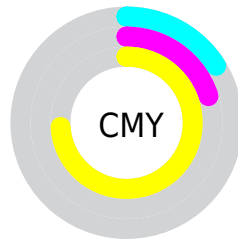
- Red (84%)
- Green (80%)
- Blue (26%)



- Red (31%)
- Yellow (84%)
- Blue (26%)



- Cyan (0%)
- Magenta (5%)
- Yellow (69%)
- Black (16%)



- Cyan (16%)
- Magenta (20%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8688, 58.5150, 13.9236 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 50.8688, 58.5150, 13.9236 by changing the saturation by 10% instead.

50.8688, 58.5150,
13.9236

50.8688, 58.5150,
13.9236

380.4499,
419.1022, 228.1669

36.3248, 42.2228,
7.9294

90.6450, 102.6724,
33.6686

24.8564, 29.2758,
3.9627

116.6078,
131.3065, 48.2564

16.0983, 19.2896,
1.6049

147.1077,
164.8233, 66.5459

9.6850, 11.8797,
0.2943

182.5100,
203.6072, 88.9556

5.2513, 6.6618,
0.0000

223.1800,
248.0427, 115.9040

2.4317, 3.2515,
0.0000

269.4831,

0.8609, 1.2644,

298.5141, 147.8097

0.0000

321.7846,
355.4058, 185.0911

■ 0.0000, 0.1134,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.8688, 58.5150,
13.9236

■ 50.8688, 58.5150,
13.9236

■ 49.9946, 57.6144,
11.0195

■ 51.9883, 59.5233,
18.0915

■ 49.3336, 56.8020,
9.2281

■ 53.3727, 60.6405,
23.6448

■ 48.8431, 56.0630,
8.3188

■ 55.0444, 61.8778,
30.6948

■ 48.7901, 55.9788,
8.2335

■ 57.0222, 63.2428,
39.3405

■ 59.3232, 64.7422,
49.6724

■ 61.9634, 66.3826,
61.7743

■ 64.9576, 68.1698,
75.7243

■ 68.3199, 70.1095,
91.5961

■ 71.1643, 71.8473,
104.7249

Harmonies

Analogous

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



65.1501, 58.5150, 15.1099



50.8688, 58.5150, 13.9236



39.8843, 58.5150, 21.1356

Triad

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



50.8688, 58.5150, 13.9236



37.5021, 58.5150, 128.1433



85.1184, 58.5150, 93.2502

Complementary

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



50.8688, 58.5150, 13.9236



17.2344, 11.4072, 65.5831

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.



75.0221, 58.5150, 142.4957



50.8688, 58.5150, 13.9236



47.0620, 58.5150, 167.8127

Square

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



50.8688, 58.5150, 13.9236



33.0746, 58.5150, 78.7682



60.6513, 58.5150, 173.9531



86.6020, 58.5150, 50.7097

Rectangle

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



50.8688, 58.5150, 13.9236



35.2905, 58.5150, 32.6840



60.6513, 58.5150, 173.9531



82.5480, 58.5150, 109.9543

Sweetspot

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



50.8702, 58.5177, 13.9248



86.4529, 94.7328, 69.2650



31.4552, 19.0313, 9.4772



18.2988, 20.1435, 13.8997



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.



50.8702, 58.5177, 13.9248



73.0514, 84.1749, 14.7165



38.5137, 55.8108, 14.0536



13.3977, 14.3696, 13.2282



29.2140, 33.5452, 4.9351



1.7841, 2.0674, 0.3050

Inverse Universe

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



17.2344, 11.4072, 65.5831



20.5561, 10.7313, 95.5957



23.2761, 13.5623, 65.6806



11.8093, 12.1420, 15.6587



7.4623, 3.1864, 38.6749



0.4743, 0.2405, 2.3407

Previews

White Background



This preview shows how the XYZ color 50.8688, 58.5150, 13.9236 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 50.8688, 58.5150, 13.9236 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 50.8688, 58.5150, 13.9236

Background



This preview shows how black text looks on a background with the XYZ color 50.8688, 58.5150, 13.9236.



This preview shows how white text looks on a background with the XYZ color 50.8688, 58.5150,

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

50.8688, 58.5150, 13.9236

Protanopia

53.1552, 58.6420, 13.6717

Deuteranopia

59.5842, 58.2387, 14.2317



Tritanopia

61.7907, 58.5352, 67.0732

Trichromacy



Original Color

50.8688, 58.5150, 13.9236

Protanomaly

52.1581, 58.4774, 13.6925

Deuteranomaly

56.1053, 58.0992, 14.0515

Tritanomaly

56.3984, 58.0208, 39.6791

Monochromacy



Original Color

50.8688, 58.5150, 13.9236

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.0521, 54.3184, 35.5029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8688, 58.5150, 13.9236 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(215, 205, 67)` looks like.

```
.text, #text, p{  
    color:rgb(215, 205, 67)  
}
```

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(215, 205, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 205, 67) }
```

Border

The CSS property to change the border of an element to XYZ 50.8688, 58.5150, 13.9236 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(215, 205, 67) }
```


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

```
.border{ border-color:rgb(215, 205, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 205, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 205, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 205, 67);  
box-shadow:4px 4px 4px 4px rgb(215, 205,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8688, 58.5150, 13.9236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 205, 67) }
```

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

```
.background{ background-color: rgb(215,  
205, 67) }
```

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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