

Converting Colors

XYZ(50.3874, 63.2090, 18.6561)

Have a look what the booklet for
XYZ(50.3874, 63.2090, 18.6561)
contains.

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Color

**XYZ(50.6050, 63.4933,
18.6051)**

Conversions

Conversions Part 1

Format	Color
Hex	C7DB57
RGB	199, 219, 87
RGB Percent	78%, 86%, 34%
CMY	0.2196, 0.1412, 0.6588
CMYK	0.09, 0.00, 0.60, 0.14
HSL	69°, 65%, 60%
HSV	69°, 60%, 86%
XYZ	50.6050, 63.4933, 18.6051
YIQ	197.9720, 30.4520, -45.2920

Conversions

Conversions Part 2

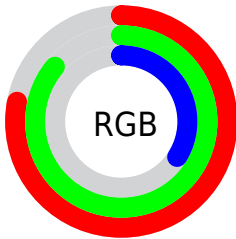
Format	Color
R_{YB}	87, 219, 107
Decimal	13097815
CIE _{Lab}	83.70, -24.50, 60.92
CIE _{LCh}	84, 65.658, 111.908
Yxy	63.4933, 0.3813, 0.4785
Android (android.graphics.Color)	4291287895 (0xFFC7DB57)
YUV	197.9720, -54.7092, 0.9016
Hunter-Lab	79.6827, -26.0826, 41.9343

Details

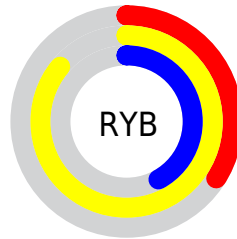
The XYZ color **50.6050, 63.4933, 18.6051** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **22.2601, 15.0582, 68.7550**, and the grayscale version is **53.9701, 56.7808, 61.8343**.

A 20% lighter version of the original color is **81.8825, 94.7330, 39.5608**, and **24.6526, 32.3904, 6.1150** is the 20% darker color. If you saturate the color by 10%, you get **48.9720, 62.7417, 14.5460**, and if you desaturate by 10%, it is **52.5316, 64.3691, 24.0968**.

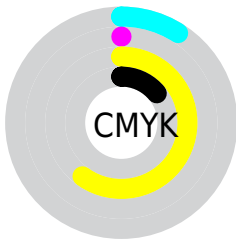
Distribution



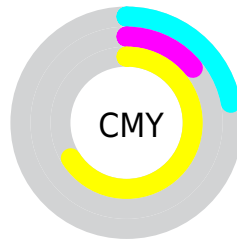
- Red (78%)
- Green (86%)
- Blue (34%)



- Red (34%)
- Yellow (86%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (60%)
- Black (14%)



- Cyan (22%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6050, 63.4933, 18.6051 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 50.6050, 63.4933, 18.6051 by changing the saturation by 10% instead.

■ 50.6050, 63.4933,
18.6051

■ 50.6050, 63.4933,
18.6051

379.4402,
437.3576, 256.6096

■ 36.1141, 46.2404,
11.2114

■ 90.2571, 109.8809,
41.8935

■ 24.6929, 32.4356,
6.0932

■ 116.1490,
139.7844, 58.6253

■ 15.9759, 21.6944,
2.8321

■ 146.5720,
174.6735, 79.3068

■ 9.5978, 13.6325,
1.0096

■ 181.8914,
214.9326, 104.3566

■ 5.1933, 7.8655,
0.0000

222.4725,
260.9462, 134.1932

■ 2.3971, 4.0090,
0.0000

268.6808,

■ 0.8436, 1.6786,

313.0986, 169.2353

0.0000

320.8816,
371.7743, 209.9012

0.0000, 0.4098,
0.0000

0.0000, 0.0000,
0.0000

50.6050, 63.4933,
18.6051

50.6050, 63.4933,
18.6051

48.9720, 62.7417,
14.5460

52.5316, 64.3691,
24.0968

47.6025, 62.0955,
11.7818


54.7697, 65.3694,
31.1344


46.4678, 61.5454,
10.1546


57.3409, 66.5052,
39.8243


45.5373, 61.0817,
9.3899


60.2634, 67.7838,
50.2623

 63.5542, 69.2120,
62.5371

 67.2291, 70.7961,
76.7312

 71.3029, 72.5421,
92.9221

 74.6071, 73.9826,
104.9556

 75.6555, 74.5230,
105.0047

Harmonies

Analogous

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



64.3264, 63.4933, 16.6241



50.6050, 63.4933, 18.6051



41.0917, 63.4933, 30.8733

Triad

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



50.6050, 63.4933, 18.6051



44.8418, 63.4933, 152.0993



92.0849, 63.4933, 80.8947

Complementary

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



50.6050, 63.4933, 18.6051



22.2601, 15.0582, 68.7550

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.



84.8405, 63.4933, 130.4257



50.6050, 63.4933, 18.6051



56.5380, 63.4933, 180.9593

Square

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



50.6050, 63.4933, 18.6051



38.1512, 63.4933, 103.1034



71.2686, 63.4933, 171.7526



89.8212, 63.4933, 43.5882

Rectangle

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



50.6050, 63.4933, 18.6051



37.6891, 63.4933, 47.3354



71.2686, 63.4933, 171.7526



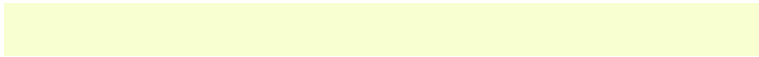
90.6449, 63.4933, 96.7675

Sweetspot

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



50.6065, 63.4962, 18.6064



86.0078, 96.0928, 74.4012



36.1729, 26.2237, 12.1729



18.1318, 20.4470, 14.9085



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.



50.6065, 63.4962, 18.6064



68.6436, 88.3392, 19.4620



36.7586, 56.3574, 17.9584



13.9582, 15.1587, 13.9158



27.0745, 36.2549, 5.5709



1.8077, 2.3764, 0.3634

Inverse Universe

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



22.2601, 15.0582, 68.7550



25.4991, 14.4429, 96.0516



33.3859, 20.7938, 69.2757



12.5215, 12.7114, 16.4457



8.0148, 3.2560, 39.9444



0.5783, 0.2414, 2.5906

Previews

White Background



This preview shows how the XYZ color 50.6050, 63.4933, 18.6051 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 50.6050, 63.4933, 18.6051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

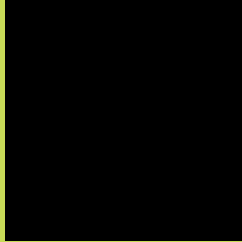
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6050, 63.4933, 18.6051

Background



This preview shows how black text looks on a background with the XYZ color 50.6050, 63.4933, 18.6051.



This preview shows how white text looks on a background with the XYZ color 50.6050, 63.4933,

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

50.6050, 63.4933, 18.6051

Protanopia

57.6794, 63.3968, 17.5843

Deuteranopia

64.2132, 63.1268, 22.1649



Tritanopia

62.4567, 63.0827, 77.9916

Trichromacy



Original Color

50.6050, 63.4933, 18.6051

Protanomaly

54.9491, 63.4600, 17.9472

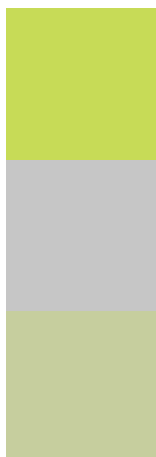
Deuteranomaly

58.5369, 62.6866, 20.5698

Tritanomaly

56.6018, 62.5202, 48.6195

Monochromacy



Original Color

50.6050, 63.4933, 18.6051

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.5316, 58.6170, 40.9460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6050, 63.4933, 18.6051 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(199, 219, 87)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 87)  
}
```

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(199, 219, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 87) }
```

Border

The CSS property to change the border of an element to XYZ 50.6050, 63.4933, 18.6051 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(199, 219, 87) }
```


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

```
.border{ border-color:rgb(199, 219, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 219, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 219, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 219, 87);  
box-shadow:4px 4px 4px 4px rgb(199, 219,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6050, 63.4933, 18.6051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 219, 87) }
```

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

```
.background{ background-color: rgb(199,  
219, 87) }
```

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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