

Converting Colors

XYZ(49.4283, 65.9387, 17.5927)

Have a look what the booklet for
XYZ(49.4283, 65.9387, 17.5927)
contains.

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Color

**XYZ(49.6194, 66.1940,
17.5586)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE34F
RGB	188, 227, 79
RGB Percent	74%, 89%, 31%
CMY	0.2627, 0.1098, 0.6902
CMYK	0.17, 0.00, 0.65, 0.11
HSL	76°, 73%, 60%
HSV	76°, 65%, 89%
XYZ	49.6194, 66.1940, 17.5586
YIQ	198.4670, 24.2640, -54.2960

Conversions

Conversions Part 2

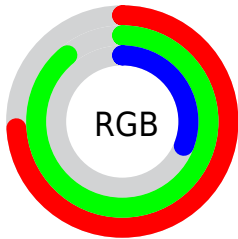
Format	Color
RYB	79, 227, 118
Decimal	12378959
CIELab	85.10, -33.15, 65.44
CIElCh	85, 73.361, 116.869
Yxy	66.1940, 0.3720, 0.4963
Android (android.graphics.Color)	4290569039 (0xFFBCE34F)
YUV	198.4670, -58.8972, -9.1796
Hunter-Lab	81.3597, -33.5164, 44.1561

Details

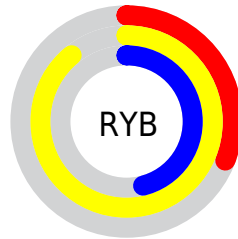
The XYZ color **49.6194, 66.1940, 17.5586** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **24.1348, 14.9912, 74.2984**, and the grayscale version is **54.2998, 57.1276, 62.2120**.

A 20% lighter version of the original color is **78.4909, 93.0434, 36.7439**, and **24.1674, 34.3523, 5.6441** is the 20% darker color. If you saturate the color by 10%, you get **47.4872, 65.1767, 13.8580**, and if you desaturate by 10%, it is **52.0978, 67.3615, 22.7501**.

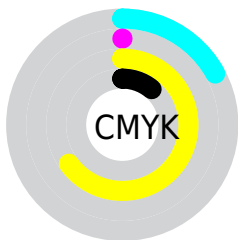
Distribution



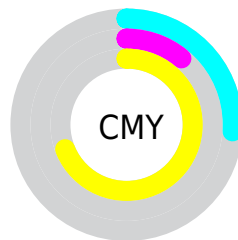
- Red (74%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (46%)



- Cyan (17%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6194, 66.1940, 17.5586 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 49.6194, 66.1940, 17.5586 by changing the saturation by 10% instead.


 49.6194, 66.1940,
17.5586


 49.6194, 66.1940,
17.5586


375.6523,
447.0704, 250.5232

 35.3276, 48.4299,
10.4674


 88.8059, 113.7647,
40.0875


 24.0831, 34.1675,
5.6003


 114.4314,
144.3402, 56.3622

 15.5203, 23.0223,
2.5388


 144.5654,
179.9548, 76.5352

 9.2740, 14.6100,
0.8606

 179.5735,
220.9931, 101.0251

 4.9789, 8.5461,
0.0000

 219.8208,
267.8394, 130.2502

 2.2695, 4.4463,
0.0000

265.6728,

 0.7790, 1.9262,

320.8781, 164.6293

0.0000

317.4949,
380.4936, 204.5807

0.0000, 0.5641,
0.0000

0.0000, 0.0000,
0.0000

49.6194, 66.1940,
17.5586

49.6194, 66.1940,
17.5586

47.4872, 65.1767,
13.8580

52.0978, 67.3615,
22.7501

45.6658, 64.2884,
11.4856

54.9444, 68.6811,
29.5645

44.1191, 63.5168,
10.2483

58.1845, 70.1653,
38.1241

43.4445, 63.1760,
9.9044

61.8393, 71.8228,
48.5383

65.9288, 73.6614,
60.9076

70.4712, 75.6887,
75.3252

75.4839, 77.9117,
91.8783

80.0666, 79.9702,
105.8236

82.0850, 81.0107,
105.9180

Harmonies

Analogous

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



64.6672, 66.1940, 14.0441



49.6194, 66.1940, 17.5586



39.8809, 66.1940, 32.8993

Triad

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



49.6194, 66.1940, 17.5586



47.0970, 66.1940, 178.2979



100.2763, 66.1940, 77.1604

Complementary

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



49.6194, 66.1940, 17.5586



24.1348, 14.9912, 74.2984

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.



93.4529, 66.1940, 134.1325



49.6194, 66.1940, 17.5586



61.1955, 66.1940, 206.4790

Square

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



49.6194, 66.1940, 17.5586



38.6136, 66.1940, 121.5221



78.3968, 66.1940, 187.5464



95.7310, 66.1940, 38.2725

Rectangle

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



49.6194, 66.1940, 17.5586



36.7666, 66.1940, 53.3131



78.3968, 66.1940, 187.5464



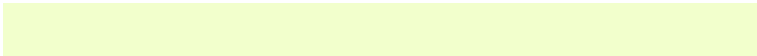
99.2111, 66.1940, 94.7887

Sweetspot

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



49.6210, 66.1970, 17.5600



83.1258, 94.6789, 71.0204



39.3376, 29.3882, 10.9972



17.4748, 20.1222, 14.2478



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.



49.6210, 66.1970, 17.5600



60.9906, 84.4441, 16.8390



36.0851, 59.2190, 16.9265



15.2115, 16.6161, 15.3099



25.4510, 36.9020, 5.7814



1.9670, 2.7714, 0.4313

Inverse Universe

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



24.1348, 14.9912, 74.2984



25.7168, 13.2789, 95.8154



37.8986, 22.0868, 74.9426



13.9373, 14.0699, 18.1255



9.2605, 3.8399, 42.6363



0.7701, 0.3280, 3.1547

Previews

White Background



This preview shows how the XYZ color 49.6194, 66.1940, 17.5586 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 49.6194, 66.1940, 17.5586 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 49.6194, 66.1940, 17.5586

Background



This preview shows how black text looks on a background with the XYZ color 49.6194, 66.1940, 17.5586.



This preview shows how white text looks on a background with the XYZ color 49.6194, 66.1940,

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

49.6194, 66.1940, 17.5586

Protanopia

59.7385, 65.5995, 16.1700

Deuteranopia

66.1088, 65.3770, 27.5471



Tritanopia

62.8632, 65.7232, 83.5014

Trichromacy



Original Color

49.6194, 66.1940, 17.5586

Protanomaly

55.3308, 65.2076, 16.5076

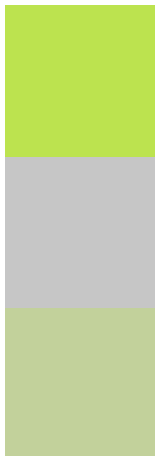
Deuteranomaly

59.1000, 65.1165, 23.0895

Tritanomaly

56.0060, 64.8238, 49.6048

Monochromacy



Original Color

49.6194, 66.1940, 17.5586

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.9650, 59.4368, 39.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6194, 66.1940, 17.5586 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(188, 227, 79)` looks like.

```
.text, #text, p{  
    color:rgb(188, 227, 79)  
}
```

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(188, 227, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 227, 79) }
```

Border

The CSS property to change the border of an element to XYZ 49.6194, 66.1940, 17.5586 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(188, 227, 79) }
```


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

```
.border{ border-color:rgb(188, 227, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 227, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 227, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 227, 79);  
box-shadow:4px 4px 4px 4px rgb(188, 227,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6194, 66.1940, 17.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 227, 79) }
```

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

```
.background{ background-color: rgb(188,  
227, 79) }
```

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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