

Converting Colors

XYZ(49.8848, 69.8611, 18.2908)

Have a look what the booklet for
XYZ(49.8848, 69.8611, 18.2908)
contains.

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Color

**XYZ(49.7100, 69.5649,
18.2045)**

Conversions

Conversions Part 1

Format	Color
Hex	B3EB4F
RGB	179, 235, 79
RGB Percent	70%, 92%, 31%
CMY	0.2980, 0.0784, 0.6902
CMYK	0.24, 0.00, 0.66, 0.08
HSL	82°, 80%, 62%
HSV	82°, 66%, 92%
XYZ	49.7100, 69.5649, 18.2045
YIQ	200.4720, 16.7000, -60.3880

Conversions

Conversions Part 2

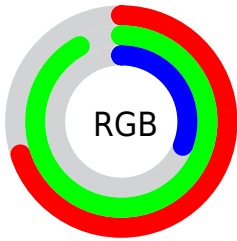
Format	Color
RYB	79, 235, 135
Decimal	11791183
CIELab	86.78, -40.18, 67.03
CIELCh	87, 78.154, 120.942
Yxy	69.5649, 0.3616, 0.5060
Android (android.graphics.Color)	4289981263 (0xFFB3EB4F)
YUV	200.4720, -59.8857, -18.8309
Hunter-Lab	83.4056, -39.5732, 45.4430

Details

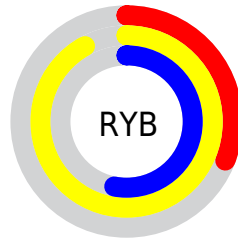
The XYZ color **49.7100, 69.5649, 18.2045** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.7860, 16.7430, 80.3686**, and the grayscale version is **55.5437, 58.4363, 63.6371**.

A 20% lighter version of the original color is **75.3931, 91.4464, 36.5990**, and **24.1790, 36.3909, 5.9221** is the 20% darker color. If you saturate the color by 10%, you get **47.1111, 68.3093, 14.3802**, and if you desaturate by 10%, it is **52.7338, 71.0091, 23.6290**.

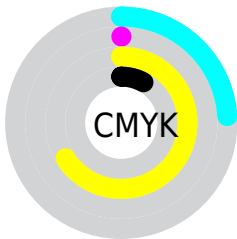
Distribution



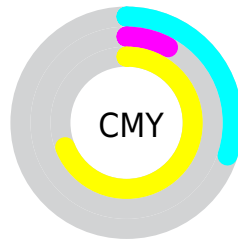
- Red (70%)
- Green (92%)
- Blue (31%)



- Red (31%)
- Yellow (92%)
- Blue (53%)



- Cyan (24%)
- Magenta (0%)
- Yellow (66%)
- Black (8%)



- Cyan (30%)
- Magenta (8%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7100, 69.5649, 18.2045 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 49.7100, 69.5649, 18.2045 by changing the saturation by 10% instead.

■ 49.7100, 69.5649,
18.2045

■ 49.7100, 69.5649,
18.2045

376.0015,
459.0208, 254.2959

■ 35.3999, 51.1719,
10.9259

■ 88.9394, 118.5881,
41.2041

■ 24.1390, 36.3454,
5.9035

■ 114.5895,
149.9870, 57.7623

■ 15.5621, 24.7011,
2.7187

■ 144.7502,
186.4901, 78.2507

■ 9.3037, 15.8545,
0.9528

■ 179.7870,
228.4816, 103.0879

■ 4.9985, 9.4213,
0.0000

■ 220.0651,
276.3461, 132.6925

■ 2.2811, 5.0170,
0.0000

265.9500,

■ 0.7850, 2.2572,

330.4679, 167.4830

0.0000

317.8071,
391.2313, 207.8780

0.0000, 0.7509,
0.0000

0.0000, 0.0000,
0.0000

49.7100, 69.5649,
18.2045

49.7100, 69.5649,
18.2045

47.1111, 68.3093,
14.3802

52.7338, 71.0091,
23.6290

44.8965, 67.2186,
11.9750


56.2082, 72.6451,
30.8002


43.0237, 66.2779,
10.7695


60.1622, 74.4872,
39.8529


42.4049, 65.9643,
10.4974

64.6207, 76.5455,
50.9077

 69.6065, 78.8295,
64.0751

 75.1409, 81.3479,
79.4573

 81.2440, 84.1088,
97.1501

 85.9399, 86.3223,
106.7401

 88.9749, 87.8869,
106.8821

Harmonies

Analogous

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



65.5457, 69.5649, 13.2335



49.7100, 69.5649, 18.2045



40.0060, 69.5649, 36.7523

Triad

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



49.7100, 69.5649, 18.2045



50.5385, 69.5649, 201.4557



107.6408, 69.5649, 74.1085

Complementary

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



49.7100, 69.5649, 18.2045



27.7860, 16.7430, 80.3686

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.



101.6662, 69.5649, 135.5883



49.7100, 69.5649, 18.2045



66.6964, 69.5649, 226.6252

Square

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



49.7100, 69.5649, 18.2045



40.4190, 69.5649, 139.8396



85.7926, 69.5649, 198.3092



100.9016, 69.5649, 35.0180

Rectangle

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



49.7100, 69.5649, 18.2045



37.2339, 69.5649, 61.0374



85.7926, 69.5649, 198.3092



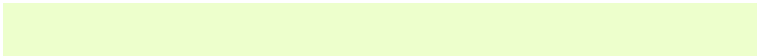
107.0446, 69.5649, 92.6422

Sweetspot

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



49.7116, 69.5680, 18.2060



81.4809, 93.8309, 70.9434



44.1448, 35.1689, 11.8597



17.0781, 19.9178, 14.2292



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.



49.7116, 69.5680, 18.2060



55.5927, 81.6751, 15.9668



36.6469, 62.8328, 17.5946



15.7970, 17.3409, 16.0333



23.7433, 36.7846, 5.8487



1.9688, 2.9423, 0.4641

Inverse Universe

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



27.7860, 16.7430, 80.3686



27.5805, 13.8905, 95.8352



44.8303, 25.5296, 81.1662



14.7416, 14.8121, 19.0043



10.5255, 4.4620, 44.0495



0.9283, 0.4029, 3.4637

Previews

White Background



This preview shows how the XYZ color 49.7100, 69.5649, 18.2045 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 49.7100, 69.5649, 18.2045 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 49.7100, 69.5649, 18.2045

Background



This preview shows how black text looks on a background with the XYZ color 49.7100, 69.5649, 18.2045.



This preview shows how white text looks on a background with the XYZ color 49.7100, 69.5649,

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

49.7100, 69.5649, 18.2045

Protanopia

62.6668, 68.9974, 16.4935

Deuteranopia

68.8482, 68.7840, 34.8473



Tritanopia

64.1680, 69.3066, 90.1163

Trichromacy



Original Color

49.7100, 69.5649, 18.2045



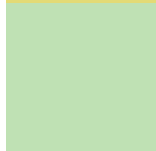
Protanomaly

57.1736, 68.8932, 17.1218



Deuteranomaly

60.0200, 67.7817, 27.0593



Tritanomaly

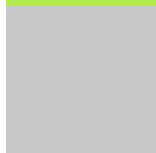
56.6493, 68.2221, 53.3625

Monochromacy



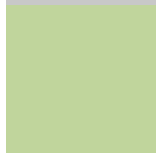
Original Color

49.7100, 69.5649, 18.2045



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.5332, 61.1953, 40.5483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7100, 69.5649, 18.2045 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(179, 235, 79)` looks like.

```
.text, #text, p{  
    color:rgb(179, 235, 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(179, 235, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 235, 79) }
```

Border

The CSS property to change the border of an element to XYZ 49.7100, 69.5649, 18.2045 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(179, 235, 79) }
```


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

```
.border{ border-color:rgb(179, 235, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 235, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 235, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 235, 79);  
box-shadow:4px 4px 4px 4px rgb(179, 235,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7100, 69.5649, 18.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 235, 79) }
```

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

```
.background{ background-color: rgb(179,  
235, 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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