

Converting Colors

CIELCh(69, 80.927, 120.345)

Have a look what the booklet for
CIELCh(69, 80.927, 120.345)
contains.

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Color

CIELCh(69, 80.516, 120.269)

Conversions

Conversions Part 1

Format	Color
Hex	80B900
RGB	128, 185, 0
RGB Percent	50%, 73%, 0%
CMY	0.4976, 0.2740, 0.9988
CMYK	0.31, 0.00, 1.00, 0.27
HSL	79°, 100%, 36%
HSV	79°, 100%, 73%
XYZ	26.2942, 39.3444, 6.2166
YIQ	146.8670, 25.4130, -69.6190

Conversions

Conversions Part 2

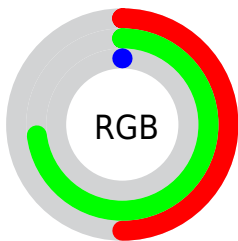
Format	Color
RYB	0, 185, 57
Decimal	8435968
CIELab	69.00, -40.58, 69.54
CIELCh	69, 80.516, 120.269
Yxy	39.3444, 0.3659, 0.5476
Android (android.graphics.Color)	4286626048 (0xFF80B900)
YUV	146.8670, -72.4054, -16.5464
Hunter-Lab	62.7251, -34.9423, 38.0314

Details

The CIELCh color **69, 80.516, 120.269** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **25, 101.852, 308.435**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 80.163, 120.125**, and **49, 65.357, 126.111** is the 20% darker color. If you saturate the color by 10%, you get **69, 80.562, 120.285**, and if you desaturate by 10%, it is **69, 77.569, 119.387**.

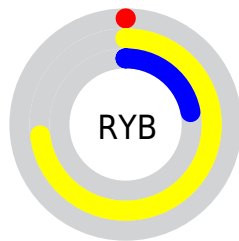
Distribution



Red (50%)

Green (73%)

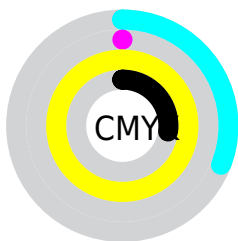
Blue (0%)



Red (0%)

Yellow (73%)

Blue (22%)

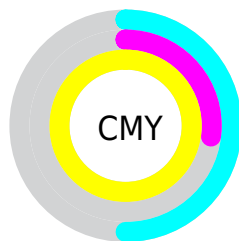


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (50%)


Magenta (27%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 80.516, 120.269 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 CIELCh color 69, 80.516, 120.269 by changing the saturation by 10% instead.


 69, 80.516,
120.269


 69, 80.516,
120.269


 100, 80.516,
120.269


 59, 80.516,
120.269


 89, 80.516,
120.269

 49, 80.516,
120.269

 99, 80.516,
120.269

 39, 80.516,
120.269

 29, 80.516,
120.269

 19, 80.516,
120.269

 9, 80.516, 120.269

 0, 80.516, 120.269

■ 69, 80.516,
120.269

■ 69, 80.516,
120.269

■ 69, 80.562,
120.285

■ 69, 77.569,
119.387

■ 70, 72.900,
118.887

■ 70, 66.405,
118.789

■ 71, 58.512,
118.984

■ 71, 49.656,
119.370

■ 72, 40.177,
119.868

■ 73, 30.316,
120.424

■ 73, 20.236,

121.001

■ 74, 10.046,
121.576

Harmonies

Complementary

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



69, 80.516, 120.269



25, 101.852, 308.435

Rectangle

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



69, 80.516, 120.269



69, 80.516, 170.269



69, 80.516, 300.269



69, 80.516, 350.269

Sweetspot

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



69, 80.516, 120.271



92, 37.592, 120.387



43, 74.217, 47.426



48, 25.562, 120.151



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 80.516, 120.271



87, 97.941, 120.524



66, 92.401, 134.651



38, 5.749, 121.605



59, 70.753, 120.090



9, 16.071, 126.161

Inverse Universe

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



25, 101.852, 308.435



33, 123.977, 308.288



38, 92.538, 320.711



36, 5.854, 302.653



20, 89.495, 308.560



1, 15.602, 299.148

Previews

White Background



This preview shows how the CIELCh color 69, 80.516, 120.269 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 CIELCh color 69, 80.516, 120.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

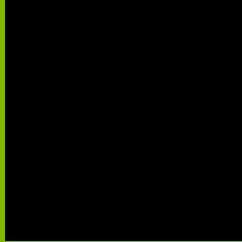
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 80.516, 120.269

Background



This preview shows how black text looks on a background with the CIELCh color 69, 80.516, 120.269.



This preview shows how white text looks on a background with the CIELCh color 69, 80.516, 120.269.

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





Tritanopia
69, 11.707, 240.121

Trichromacy



Original Color
69, 80.516, 120.269

Protanomaly
68, 72.858, 105.327

Deuteranomaly
68, 67.964, 98.168

Tritanomaly
68, 35.383, 132.399

Monochromacy



Original Color
69, 80.516, 120.269

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 37.445, 120.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 80.516, 120.269 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(128, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 185, 0)  
}
```

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(128, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 185, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 80.516, 120.269 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(128, 185, 0) }
```

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

```
.border{ border-color:rgb(128, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 185,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 80.516, 120.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 185, 0) }
```

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

```
.background{ background-color: rgb(128,  
185, 0) }
```

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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