

Converting Colors

CIELCh(68, 78.718, 119.221)

Have a look what the booklet for
CIELCh(68, 78.718, 119.221)
contains.

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Color

CIELCh(68, 78.887, 119.197)

Conversions

Conversions Part 1

Format	Color
Hex	82B600
RGB	130, 182, 0
RGB Percent	51%, 71%, 0%
CMY	0.4921, 0.2881, 1.0000
CMYK	0.29, 0.00, 1.00, 0.29
HSL	77°, 100%, 36%
HSV	77°, 100%, 71%
XYZ	25.7633, 37.9720, 5.9660
YIQ	145.7040, 27.4300, -67.6260

Conversions

Conversions Part 2

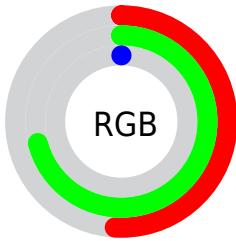
Format	Color
RYB	0, 182, 52
Decimal	8566272
CIELab	68.00, -38.48, 68.86
CIELCh	68, 78.887, 119.197
Yxy	37.9720, 0.3696, 0.5448
Android (android.graphics.Color)	4286756352 (0xFF82B600)
YUV	145.7040, -71.8321, -13.7724
Hunter-Lab	61.6215, -33.2087, 37.3947

Details

The CIELCh color **68, 78.887, 119.197** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **24, 100.827, 308.167**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 78.987, 119.246**, and **48, 64.124, 125.197** is the 20% darker color. If you saturate the color by 10%, you get **68, 78.867, 119.204**, and if you desaturate by 10%, it is **68, 76.019, 118.372**.

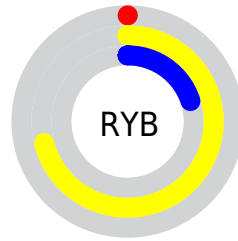
Distribution



Red (51%)

Green (71%)

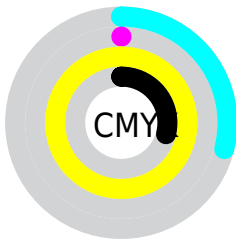
Blue (0%)



Red (0%)

Yellow (71%)

Blue (20%)

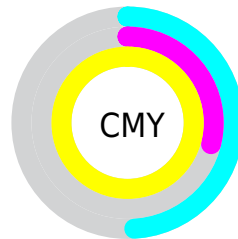


Cyan (29%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (49%)

Magenta (29%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 78.887, 119.197 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 68, 78.887, 119.197 by changing the saturation by 10% instead.

 68, 78.887,
119.197


 68, 78.887,
119.197

 100, 78.887,
119.197

 58, 78.887,
119.197


 88, 78.887,
119.197

 48, 78.887,
119.197

 98, 78.887,
119.197

 38, 78.887,
119.197

 28, 78.887,
119.197

 18, 78.887,
119.197

 8, 78.887, 119.197

 0, 78.887, 119.197

■ 68, 78.887,
119.197

■ 68, 78.887,
119.197

■ 68, 78.867,
119.204

■ 68, 76.019,
118.372

■ 69, 71.501,
117.905

■ 69, 65.182,
117.832

■ 70, 57.479,
118.046

■ 70, 48.821,
118.449

■ 71, 39.545,
118.963

■ 71, 29.888,
119.536

■ 72, 20.011,

120.130

■ 73, 10.021,
120.724

Harmonies

Complementary

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



68, 78.887, 119.197



24, 100.827, 308.167

Rectangle

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



68, 78.887, 119.197



68, 78.887, 169.197



68, 78.887, 299.197



68, 78.887, 349.197

Sweetspot

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



68, 78.867, 119.204



91, 37.127, 119.505



42, 73.870, 46.692



48, 25.463, 119.261



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 78.867, 119.204



87, 96.491, 119.445



65, 90.858, 134.434



38, 5.729, 120.763



59, 70.295, 119.037



9, 15.980, 125.191

Inverse Universe

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



24, 100.827, 308.167



33, 123.423, 308.019



36, 91.472, 320.133



36, 5.838, 301.853



20, 89.831, 308.273



1, 15.575, 298.531

Previews

White Background



This preview shows how the CIELCh color 68, 78.887, 119.197 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 CIE LCh color 68, 78.887, 119.197 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 68, 78.887, 119.197

Background



This preview shows how black text looks on a background with the CIELCh color 68, 78.887, 119.197.



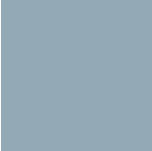
This preview shows how white text looks on a background with the CIELCh color 68, 78.887, 119.197.

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
68, 10.407, 242.613

Trichromacy



Original Color
68, 78.998, 119.165

Protanomaly
68, 72.239, 105.354

Deuteranomaly
67, 67.291, 98.115

Tritanomaly
67, 34.157, 129.933

Monochromacy



Original Color
68, 78.998, 119.165

Achromatopsia
60, 0.008, 296.813

Achromatomaly
62, 36.836, 118.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 78.887, 119.197 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(130, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 182, 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(130, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 182, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 78.887, 119.197 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(130, 182, 0) }
```

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

```
.border{ border-color:rgb(130, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 182,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 78.887, 119.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 182, 0) }
```

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

```
.background{ background-color: rgb(130,  
182, 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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