

Converting Colors

CIELCh(67, 78.768, 120.466)

Have a look what the booklet for
CIELCh(67, 78.768, 120.466)
contains.

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Color

CIELCh(67, 78.665, 120.460)

Conversions

Conversions Part 1

Format	Color
Hex	7BB301
RGB	123, 179, 1
RGB Percent	48%, 70%, 0%
CMY	0.5161, 0.2966, 0.9963
CMYK	0.31, 0.00, 0.99, 0.30
HSL	79°, 99%, 35%
HSV	79°, 99%, 70%
XYZ	24.4242, 36.6320, 5.8100
YIQ	141.9640, 23.7620, -67.2300

Conversions

Conversions Part 2

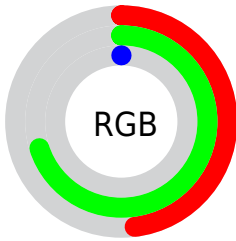
Format	Color
RYB	1, 179, 57
Decimal	8106753
CIELab	67.00, -39.88, 67.81
CIELCh	67, 78.665, 120.460
Yxy	36.6320, 0.3653, 0.5478
Android (android.graphics.Color)	4286296833 (0xFF7BB301)
YUV	141.9640, -69.4953, -16.6314
Hunter-Lab	60.5244, -33.8852, 36.6755

Details

The CIELCh color **67, 78.665, 120.460** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **24, 99.184, 308.527**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 78.387, 120.581**, and **47, 63.883, 126.695** is the 20% darker color. If you saturate the color by 10%, you get **67, 78.812, 120.507**, and if you desaturate by 10%, it is **67, 75.683, 119.592**.

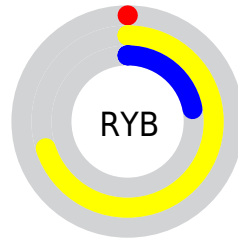
Distribution



Red (48%)

Green (70%)

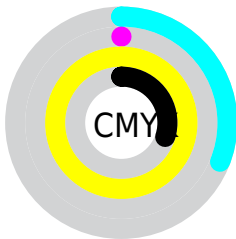
Blue (0%)



Red (0%)

Yellow (70%)

Blue (22%)

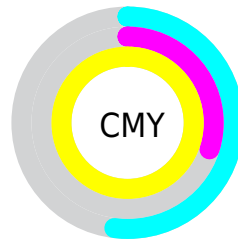


Cyan (31%)

Magenta (0%)

Yellow (99%)

Black (30%)



Cyan (52%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 78.665, 120.460 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 67, 78.665, 120.460 by changing the saturation by 10% instead.

 67, 78.665,
120.460

 67, 78.665,
120.460

 100, 78.665,
120.460

 57, 78.665,
120.460

 87, 78.665,
120.460

 47, 78.665,
120.460

 97, 78.665,
120.460

 37, 78.665,
120.460

 27, 78.665,
120.460

 17, 78.665,
120.460

 7, 78.665, 120.460

 0, 78.665, 120.460

■ 67, 78.665,
120.460

■ 67, 78.665,
120.460

■ 67, 78.812,
120.507

■ 67, 75.683,
119.592

■ 68, 71.008,
119.110

■ 68, 64.579,
119.025

■ 69, 56.815,
119.227

■ 69, 48.133,
119.615

■ 70, 38.860,
120.111

■ 71, 29.226,
120.663

■ 71, 19.384,

121.234

■ 72, 9.440, 121.804

Harmonies

Complementary

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



67, 78.665, 120.460



24, 99.184, 308.527

Rectangle

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



67, 78.665, 120.460



67, 78.665, 170.460



67, 78.665, 300.460



67, 78.665, 350.460

Sweetspot

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



67, 78.665, 120.462



89, 36.652, 120.605



42, 72.188, 47.505



47, 25.141, 120.372



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 78.665, 120.462



85, 95.716, 120.755



64, 90.127, 134.626



37, 5.621, 121.812



58, 70.005, 120.323



8, 13.905, 126.187

Inverse Universe

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



24, 99.184, 308.527



32, 120.838, 308.376



36, 90.292, 320.741



35, 5.724, 302.847



20, 88.318, 308.647



1, 13.530, 299.615

Previews

White Background



This preview shows how the CIELCh color 67, 78.665, 120.460 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 67, 78.665, 120.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

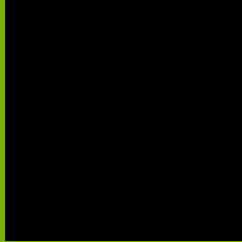
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 78.665, 120.460

Background



This preview shows how black text looks on a background with the CIELCh color 67, 78.665, 120.460.



This preview shows how white text looks on a background with the CIELCh color 67, 78.665, 120.460.

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
67, 11.433, 237.927

Trichromacy



Original Color
67, 78.551, 120.495

Protanomaly
66, 71.335, 105.755

Deuteranomaly
66, 66.232, 98.429

Tritanomaly
66, 34.420, 132.574

Monochromacy



Original Color
67, 78.551, 120.495

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 36.609, 120.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 78.665, 120.460 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(123, 179, 1)` looks like.

```
.text, #text, p{  
    color:rgb(123, 179, 1)  
}
```

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(123, 179, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 179, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 78.665, 120.460 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(123, 179, 1) }
```

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

```
.border{ border-color:rgb(123, 179, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 179, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 179, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 179, 1);  
box-shadow:4px 4px 4px 4px rgb(123, 179,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 78.665, 120.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 179, 1) }
```

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

```
.background{ background-color: rgb(123,  
179, 1) }
```

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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