

Converting Colors

CIELCh(66, 78.126, 120.774)

Have a look what the booklet for
CIELCh(66, 78.126, 120.774)
contains.

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Color

CIELCh(66, 78.229, 120.880)

Conversions

Conversions Part 1

Format	Color
Hex	78B100
RGB	120, 177, 0
RGB Percent	47%, 69%, 0%
CMY	0.5304, 0.3068, 1.0000
CMYK	0.32, 0.00, 1.00, 0.31
HSL	79°, 100%, 35%
HSV	79°, 100%, 69%
XYZ	23.3830, 35.3238, 5.5690
YIQ	139.7790, 22.8450, -67.1310

Conversions

Conversions Part 2

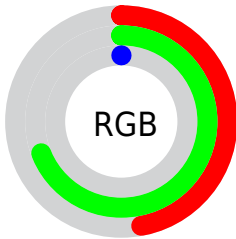
Format	Color
RYB	0, 177, 57
Decimal	7909632
CIELab	66.00, -40.15, 67.14
CIELCh	66, 78.229, 120.880
Yxy	35.3238, 0.3638, 0.5496
Android (android.graphics.Color)	4286099712 (0xFF78B100)
YUV	139.7790, -68.9110, -17.3462
Hunter-Lab	59.4338, -33.7820, 36.0481

Details

The CIELCh color **66, 78.229, 120.880** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **24, 98.218, 308.661**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 78.151, 120.937**, and **46, 63.453, 127.210** is the 20% darker color. If you saturate the color by 10%, you get **66, 78.163, 120.902**, and if you desaturate by 10%, it is **66, 75.201, 120.020**.

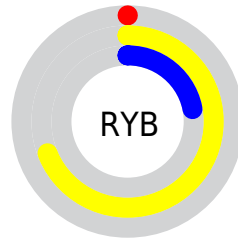
Distribution



Red (47%)

Green (69%)

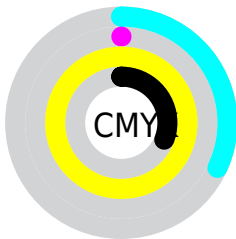
Blue (0%)



Red (0%)

Yellow (69%)

Blue (22%)

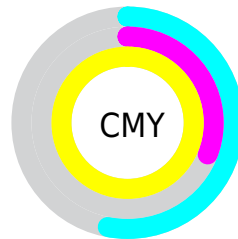


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (53%)

Magenta (31%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 78.229, 120.880 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 66, 78.229, 120.880 by changing the saturation by 10% instead.

 66, 78.229,
120.880


 66, 78.229,
120.880


 100, 78.229,
120.880


 56, 78.229,
120.880


 86, 78.229,
120.880

 46, 78.229,
120.880

 96, 78.229,
120.880

 36, 78.229,
120.880

 26, 78.229,
120.880

 16, 78.229,
120.880

 6, 78.229, 120.880

 0, 78.229, 120.880

■ 66, 78.229,
120.880

■ 66, 78.229,
120.880

■ 66, 78.163,
120.902

■ 66, 75.201,
120.020

■ 67, 70.637,
119.507

■ 67, 64.329,
119.397

■ 68, 56.685,
119.580

■ 68, 48.119,
119.955

■ 69, 38.959,
120.441

■ 70, 29.434,
120.984

■ 70, 19.699,

121.547

■ 71, 9.861, 122.109

Harmonies

Complementary

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



66, 78.229, 120.880



24, 98.218, 308.661

Rectangle

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



66, 78.229, 120.880



66, 78.229, 170.880



66, 78.229, 300.880



66, 78.229, 350.880

Sweetspot

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



66, 78.163, 120.902



88, 36.384, 120.955



41, 71.096, 48.364



46, 24.733, 120.728



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 78.163, 120.902



84, 95.180, 121.159



63, 89.523, 134.814



37, 5.629, 122.147



58, 70.192, 120.732



8, 13.931, 126.541

Inverse Universe

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



24, 98.218, 308.661



32, 119.641, 308.500



36, 89.243, 321.315



35, 5.730, 303.166



20, 88.181, 308.771



1, 13.541, 299.872

Previews

White Background



This preview shows how the CIELCh color 66, 78.229, 120.880 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 66, 78.229, 120.880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

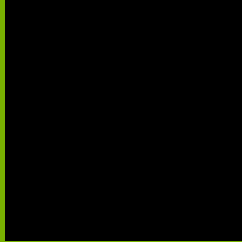
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 78.229, 120.880

Background



This preview shows how black text looks on a background with the CIELCh color 66, 78.229, 120.880.



This preview shows how white text looks on a background with the CIELCh color 66, 78.229, 120.880.

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

66, 78.229, 120.880

Protanopia

66, 69.060, 95.168

Deuteranopia

66, 63.725, 82.694



Tritanopia
66, 11.719, 236.928

Trichromacy



Original Color
66, 78.229, 120.880

Protanomaly
65, 70.402, 105.803

Deuteranomaly
65, 65.471, 99.180

Tritanomaly
65, 34.223, 133.499

Monochromacy



Original Color
66, 78.229, 120.880

Achromatopsia
58, 0.007, 296.813

Achromatomaly
60, 36.097, 119.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 78.229, 120.880 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(120, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 177, 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(120, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 177, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 78.229, 120.880 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(120, 177, 0) }
```

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

```
.border{ border-color:rgb(120, 177, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 177, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 177,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 78.229, 120.880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 177, 0) }
```

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

```
.background{ background-color: rgb(120,  
177, 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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