

Converting Colors

CIELCh(66, 97.804, 121.285)

Have a look what the booklet for
CIELCh(66, 97.804, 121.285)
contains.

CIELCh(66, 82.881, 126.176)	3
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Color

CIELCh(66, 82.881, 126.176)

Conversions

Conversions Part 1

Format	Color
Hex	63B400
RGB	99, 180, 0
RGB Percent	39%, 71%, 0%
CMY	0.6117, 0.2938, 1.0000
CMYK	0.45, 0.00, 1.00, 0.29
HSL	87°, 100%, 35%
HSV	87°, 100%, 71%
XYZ	21.4735, 35.3238, 5.6226
YIQ	135.2610, 9.5040, -73.1520

Conversions

Conversions Part 2

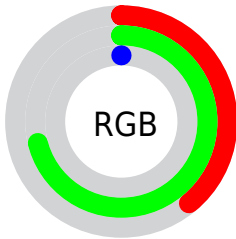
Format	Color
RYB	0, 180, 81
Decimal	6534144
CIELab	66.00, -48.92, 66.90
CIELCh	66, 82.881, 126.176
Yxy	35.3238, 0.3440, 0.5659
Android (android.graphics.Color)	4284724224 (0xFF63B400)
YUV	135.2610, -66.6837, -31.8009
Hunter-Lab	59.4338, -39.5170, 35.9947

Details

The CIELCh color **66, 82.881, 126.176** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **27, 97.117, 310.843**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 82.347, 126.201**, and **46, 68.302, 132.993** is the 20% darker color. If you saturate the color by 10%, you get **66, 82.636, 126.266**, and if you desaturate by 10%, it is **66, 79.263, 125.282**.

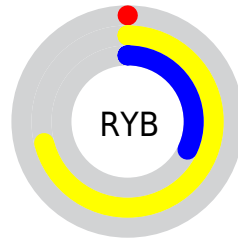
Distribution



Red (39%)

Green (71%)

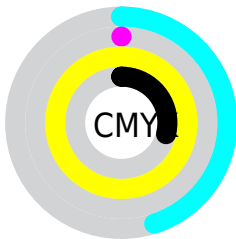
Blue (0%)



Red (0%)

Yellow (71%)

Blue (32%)

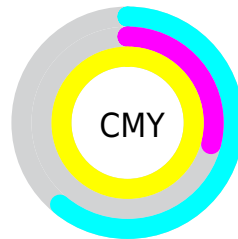


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (61%)


Magenta (29%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 82.881, 126.176 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, 82.881, 126.176 by changing the saturation by 10% instead.

 66, 82.881,
126.176


 66, 82.881,
126.176


 100, 82.881,
126.176


 56, 82.881,
126.176


 86, 82.881,
126.176

 46, 82.881,
126.176

 96, 82.881,
126.176

 36, 82.881,
126.176

 26, 82.881,
126.176

 16, 82.881,
126.176

 6, 82.881, 126.176

 0, 82.881, 126.176

■ 66, 82.881,
126.176

■ 66, 82.881,
126.176

■ 66, 82.636,
126.266

■ 66, 79.263,
125.282

■ 67, 74.251,
124.680

■ 67, 67.479,
124.506

■ 68, 59.363,
124.638

■ 69, 50.323,
124.964

■ 69, 40.690,
125.397

■ 70, 30.702,
125.879

■ 71, 20.520,

126.373

■ 72, 10.257,
126.859

Harmonies

Complementary

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



66, 82.881, 126.176



27, 97.117, 310.843

Rectangle

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



66, 82.881, 126.176



66, 82.881, 176.176



66, 82.881, 306.176



66, 82.881, 356.176

Sweetspot

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



66, 82.636, 126.266



89, 38.056, 125.853



46, 67.130, 56.737



47, 25.888, 125.651



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



66, 82.636, 126.266



84, 100.989, 126.548



64, 91.982, 135.802



37, 5.767, 126.891



57, 73.138, 126.055



7, 14.335, 131.172

Inverse Universe

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



27, 97.117, 310.843



36, 118.619, 310.654



41, 89.243, 326.275



35, 5.852, 307.732



22, 85.990, 310.986



1, 13.737, 303.642

Previews

White Background



This preview shows how the CIELCh color 66, 82.881, 126.176 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, 82.881, 126.176 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, 82.881, 126.176

Background



This preview shows how black text looks on a background with the CIELCh color 66, 82.881, 126.176.



This preview shows how white text looks on a background with the CIELCh color 66, 82.881, 126.176.

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, 82.604, 126.261

Protanopia

66, 69.060, 95.168

Deuteranopia

65, 62.980, 82.054



Tritanopia
66, 17.009, 225.629

Trichromacy



Original Color
66, 82.604, 126.261

Protanomaly
65, 71.046, 108.668

Deuteranomaly
65, 65.424, 102.414

Tritanomaly
65, 38.813, 142.893

Monochromacy



Original Color
66, 82.604, 126.261

Achromatopsia
56, 0.007, 296.813

Achromatomaly
59, 37.811, 125.137

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 82.881, 126.176 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(99, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(99, 180, 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(99, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 180, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 82.881, 126.176 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(99, 180, 0) }
```

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

```
.border{ border-color:rgb(99, 180, 0) }
```

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

Here you see how a box with a 4 pixel rgb(99, 180, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(99, 180, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 66, 82.881, 126.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 180, 0) }
```

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

```
.background{ background-color: rgb(99, 180,  
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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