

Converting Colors

CIELCh(66, 93.584, 135.122)

Have a look what the booklet for
CIELCh(66, 93.584, 135.122)
contains.

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Color

CIELCh(66, 93.415, 135.171)

Conversions

Conversions Part 1

Format	Color
Hex	1CBA00
RGB	28, 186, 0
RGB Percent	11%, 73%, 0%
CMY	0.8910, 0.2709, 1.0000
CMYK	0.85, 0.00, 1.00, 0.27
HSL	111°, 100%, 36%
HSV	111°, 100%, 73%
XYZ	18.0123, 35.3238, 5.8627
YIQ	117.5540, -34.4620, -91.3420

Conversions

Conversions Part 2

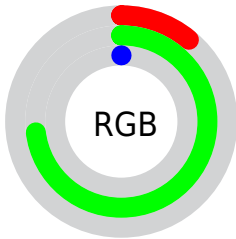
Format	Color
RYB	0, 186, 158
Decimal	1882624
CIELab	66.00, -66.25, 65.86
CIELCh	66, 93.415, 135.171
Yxy	35.3238, 0.3043, 0.5967
Android (android.graphics.Color)	4280072704 (0xFF1CBA00)
YUV	117.5540, -57.9541, -78.5389
Hunter-Lab	59.4338, -49.9123, 35.7552

Details

The CIELCh color **66, 93.415, 135.171** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **39, 92.252, 322.512**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 93.374, 135.144**, and **47, 73.063, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 93.395, 135.180**, and if you desaturate by 10%, it is **66, 90.178, 135.085**.

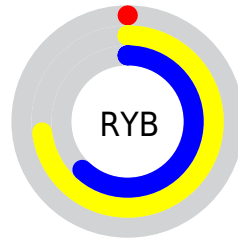
Distribution



Red (11%)

Green (73%)

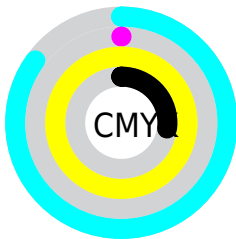
Blue (0%)



Red (0%)

Yellow (73%)

Blue (62%)

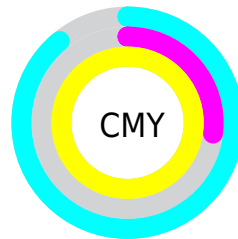


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (89%)


Magenta (27%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 93.415, 135.171 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, 93.415, 135.171 by changing the saturation by 10% instead.


 66, 93.415,
135.171


 66, 93.415,
135.171


 100, 93.415,
135.171


 56, 93.415,
135.171


 86, 93.415,
135.171

 46, 93.415,
135.171

 96, 93.415,
135.171

 36, 93.415,
135.171

 26, 93.415,
135.171

 16, 93.415,
135.171

 6, 93.415, 135.171

 0, 93.415, 135.171

■ 66, 93.415,
135.171

■ 66, 93.415,
135.171

■ 66, 93.395,
135.180

■ 66, 90.178,
135.085

■ 67, 84.880,
135.250

■ 67, 77.435,
135.735

■ 68, 68.312,
136.414

■ 69, 57.997,
137.170

■ 70, 46.900,
137.923

■ 71, 35.340,
138.629

■ 72, 23.558,

139.266

■ 74, 11.731,
139.833

Harmonies

Complementary

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



66, 93.415, 135.171



39, 92.252, 322.512

Rectangle

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



66, 93.415, 135.171



66, 93.415, 185.171



66, 93.415, 315.171



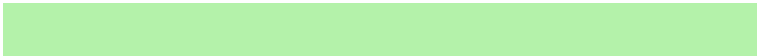
66, 93.415, 5.171

Sweetspot

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



66, 93.395, 135.180



90, 43.814, 138.595



66, 69.112, 92.077



48, 30.092, 138.302



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 93.395, 135.180



84, 114.096, 135.301



66, 80.585, 142.773



38, 6.576, 139.869



56, 81.748, 135.074



8, 18.249, 141.453

Inverse Universe

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



39, 92.252, 322.512



51, 112.552, 322.422



41, 70.657, 348.747



36, 6.605, 320.706



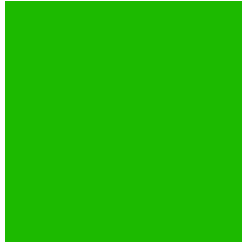
33, 80.843, 322.586



2, 17.564, 318.406

Previews

White Background



This preview shows how the CIELCh color 66, 93.415, 135.171 looks on a white background.

Color Contrast Check

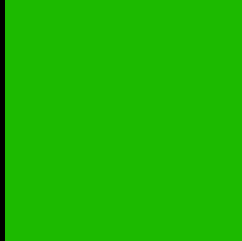
Large Text (above 18pt) WCAG AA × Fail

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, 93.415, 135.171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

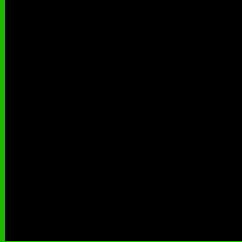
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 93.415, 135.171

Background



This preview shows how black text looks on a background with the CIELCh color 66, 93.415, 135.171.



This preview shows how white text looks on a background with the CIELCh color 66, 93.415, 135.171.

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, 93.415, 135.171

Protanopia

66, 69.060, 95.168

Deuteranopia

65, 61.507, 82.154



Tritanopia
66, 27.676, 213.815

Trichromacy



Original Color
66, 93.415, 135.171



Protanomaly
64, 74.202, 117.819



Deuteranomaly
63, 66.912, 113.587



Tritanomaly
65, 50.733, 155.719

Monochromacy



Original Color
66, 93.415, 135.171



Achromatopsia
49, 0.007, 296.813



Achromatomaly
54, 44.603, 137.107

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 93.415, 135.171 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(28, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 186, 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(28, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 186, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 93.415, 135.171 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(28, 186, 0) }
```

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

```
.border{ border-color:rgb(28, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(28, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(28, 186, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 66, 93.415, 135.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 186, 0) }
```

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

```
.background{ background-color: rgb(28, 186,  
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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