

Converting Colors

CIELCh(65, 87.615, 138.758)

Have a look what the booklet for
CIELCh(65, 87.615, 138.758)
contains.

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Color

CIELCh(65, 87.440, 138.740)

Conversions

Conversions Part 1

Format	Color
Hex	00B726
RGB	0, 183, 38
RGB Percent	0%, 72%, 15%
CMY	0.9984, 0.2820, 0.8506
CMYK	1.00, 0.00, 0.79, 0.28
HSL	132°, 100%, 36%
HSV	132°, 100%, 72%
XYZ	17.3085, 34.0472, 7.5017
YIQ	111.7530, -62.5230, -83.8910

Conversions

Conversions Part 2

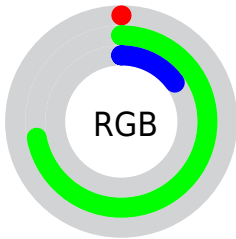
Format	Color
RYB	0, 152, 183
Decimal	46886
CIELab	65.00, -65.73, 57.66
CIELCh	65, 87.440, 138.740
Yxy	34.0472, 0.2941, 0.5785
Android (android.graphics.Color)	4278236966 (0xFF00B726)
YUV	111.7530, -36.3602, -98.0074
Hunter-Lab	58.3500, -49.1634, 33.2224

Details

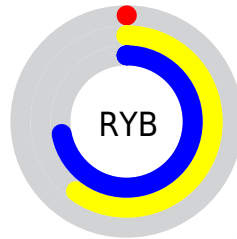
The CIELCh color **65, 87.440, 138.740** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 76.789, 338.513**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **85, 87.176, 138.782**, and **46, 71.852, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 87.533, 138.711**, and if you desaturate by 10%, it is **65, 82.738, 140.291**.

Distribution



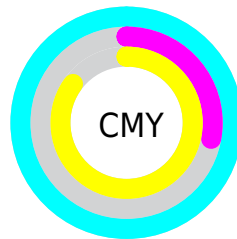
- Red (0%)
- Green (72%)
- Blue (15%)



- Red (0%)
- Yellow (60%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 87.440, 138.740 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 65, 87.440, 138.740 by changing the saturation by 10% instead.

 65, 87.440,
138.740


 65, 87.440,
138.740


 100, 87.440,
138.740


 55, 87.440,
138.740


 85, 87.440,
138.740

 45, 87.440,
138.740

 95, 87.440,
138.740

 35, 87.440,
138.740

 25, 87.440,
138.740

 15, 87.440,
138.740

 5, 87.440, 138.740

 0, 87.440, 138.740

■ 65, 87.440,
138.740

■ 65, 87.440,
138.740

■ 65, 87.533,
138.711

■ 65, 82.738,
140.291

■ 66, 76.688,
141.950

■ 66, 69.358,
143.551

■ 67, 60.943,
145.026

■ 68, 51.662,
146.346

■ 69, 41.747,
147.505

■ 70, 31.419,
148.512

■ 71, 20.874,

149.383

■ 73, 10.278,
150.146

Harmonies

Complementary

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



65, 87.440, 138.740



41, 76.789, 338.513

Rectangle

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



65, 87.440, 138.740



65, 87.440, 188.740



65, 87.440, 318.740



65, 87.440, 8.740

Sweetspot

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



65, 87.440, 138.741



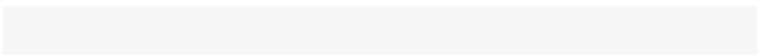
88, 39.052, 148.444



70, 77.491, 114.684



46, 26.813, 148.034



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 87.440, 138.741



82, 106.962, 138.434



66, 55.005, 161.916



38, 5.967, 150.177



56, 77.200, 138.931



8, 17.013, 148.873

Inverse Universe

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



41, 76.789, 338.513



54, 93.010, 338.748



38, 68.272, 20.958



36, 5.987, 331.299



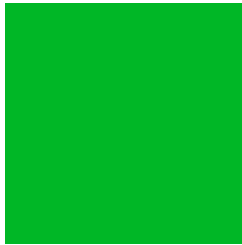
35, 68.225, 338.380



3, 15.295, 334.242

Previews

White Background



This preview shows how the CIELCh color 65, 87.440, 138.740 looks on a white background.

Color Contrast Check

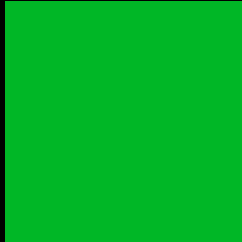
Large Text (above 18pt) WCAG AA × Fail

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 65, 87.440, 138.740 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 65, 87.440, 138.740

Background



This preview shows how black text looks on a background with the CIELCh color 65, 87.440, 138.740.



This preview shows how white text looks on a background with the CIELCh color 65, 87.440, 138.740.

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
65, 87.440, 138.740

Protanopia
65, 62.323, 95.377

Deuteranopia
65, 55.225, 81.348



Tritanopia
65, 28.370, 212.178

Trichromacy



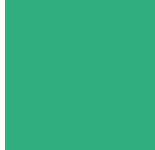
Original Color
65, 87.440, 138.740



Protanomaly
62, 68.547, 123.077



Deuteranomaly
62, 59.777, 119.229



Tritanomaly
64, 46.387, 163.865

Monochromacy



Original Color
65, 87.440, 138.740



Achromatopsia
47, 0.006, 296.813



Achromatomaly
52, 40.054, 146.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 87.440, 138.740 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(0, 183, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 38)  
}
```

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(0, 183, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 87.440, 138.740 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(0, 183, 38) }
```

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

```
.border{ border-color:rgb(0, 183, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 183, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 65, 87.440, 138.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 38) }
```

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

```
.background{ background-color: rgb(0, 183,  
38) }
```

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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