

Converting Colors

CIELCh(65, 82.903, 140.860)

Have a look what the booklet for
CIELCh(65, 82.903, 140.860)
contains.

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Color

CIELCh(65, 83.134, 140.778)

Conversions

Conversions Part 1

Format	Color
Hex	02B735
RGB	2, 183, 53
RGB Percent	1%, 72%, 21%
CMY	0.9920, 0.2832, 0.7930
CMYK	0.99, 0.00, 0.71, 0.28
HSL	137°, 98%, 36%
HSV	137°, 99%, 72%
XYZ	17.5528, 34.0472, 8.9895
YIQ	114.0610, -66.1460, -78.8020

Conversions

Conversions Part 2

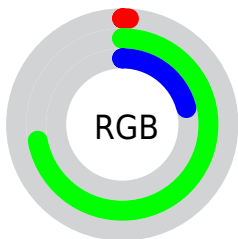
Format	Color
RYB	2, 143, 183
Decimal	177973
CIELab	65.00, -64.40, 52.57
CIELCh	65, 83.134, 140.778
Yxy	34.0472, 0.2897, 0.5619
Android (android.graphics.Color)	4278368053 (0xFF02B735)
YUV	114.0610, -30.1031, -98.2775
Hunter-Lab	58.3500, -48.4162, 31.7107

Details

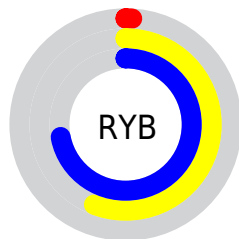
The CIELCh color **65, 83.134, 140.778** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 72.721, 343.288**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **85, 82.818, 140.834**, and **46, 71.852, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 83.649, 140.593**, and if you desaturate by 10%, it is **65, 78.108, 142.622**.

Distribution



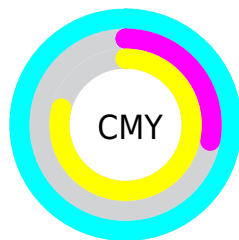
- Red (1%)
- Green (72%)
- Blue (21%)



- Red (1%)
- Yellow (56%)
- Blue (72%)



- Cyan (99%)
- Magenta (0%)
- Yellow (71%)
- Black (28%)




- Cyan (99%)
- Magenta (28%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 83.134, 140.778 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, 83.134, 140.778 by changing the saturation by 10% instead.

 65, 83.134,
140.778


 65, 83.134,
140.778

 100, 83.134,
140.778

 55, 83.134,
140.778


 85, 83.134,
140.778

 45, 83.134,
140.778

 95, 83.134,
140.778

 35, 83.134,
140.778

 25, 83.134,
140.778

 15, 83.134,
140.778

 5, 83.134, 140.778

 0, 83.134, 140.778

■ 65, 83.134,
140.778

■ 65, 83.134,
140.778

■ 65, 83.649,
140.593

■ 65, 78.108,
142.622

■ 66, 72.007,
144.456

■ 66, 64.852,
146.159

■ 67, 56.773,
147.693

■ 68, 47.943,
149.048

■ 69, 38.552,
150.232

■ 70, 28.790,
151.261

■ 71, 18.832,

152.157

■ 73, 8.825, 152.951

Harmonies

Complementary

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



65, 83.134, 140.778



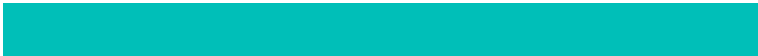
41, 72.721, 343.288

Rectangle

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



65, 83.134, 140.778



65, 83.134, 190.778



65, 83.134, 320.778



65, 83.134, 10.778

Sweetspot

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



65, 83.134, 140.778



88, 36.932, 151.104



69, 78.522, 118.128



47, 25.351, 150.680



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, 83.134, 140.778



82, 102.469, 140.257



66, 50.276, 167.828



38, 5.651, 152.916



56, 73.809, 140.851



8, 16.365, 150.717

Inverse Universe

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



41, 72.721, 343.288



53, 88.215, 343.809



38, 70.295, 26.244



36, 5.677, 334.106



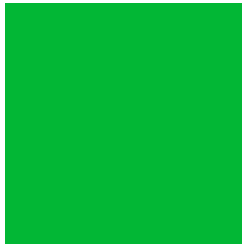
34, 64.772, 343.230



3, 14.297, 338.253

Previews

White Background



This preview shows how the CIELCh color 65, 83.134, 140.778 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, 83.134, 140.778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

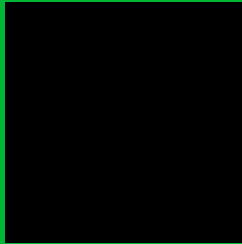
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 83.134, 140.778

Background



This preview shows how black text looks on a background with the CIELCh color 65, 83.134, 140.778.



This preview shows how white text looks on a background with the CIELCh color 65, 83.134, 140.778.

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, 83.165, 140.801

Protanopia
65, 57.386, 95.256

Deuteranopia
64, 50.173, 80.783



Tritanopia
65, 28.556, 212.065

Trichromacy



Original Color
65, 83.165, 140.801



Protanomaly
63, 63.974, 124.470



Deuteranomaly
62, 54.762, 121.490



Tritanomaly
64, 44.708, 166.730

Monochromacy



Original Color
65, 83.165, 140.801



Achromatopsia
48, 0.006, 296.813



Achromatomaly
53, 37.156, 149.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 83.134, 140.778 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(2, 183, 53)` looks like.

```
.text, #text, p{  
    color:rgb(2, 183, 53)  
}
```

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(2, 183, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 183, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 83.134, 140.778 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(2, 183, 53) }
```

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

```
.border{ border-color:rgb(2, 183, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 183, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 183, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 183, 53);  
box-shadow:4px 4px 4px 4px rgb(2, 183, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 65, 83.134, 140.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 183, 53) }
```

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

```
.background{ background-color: rgb(2, 183,  
53) }
```

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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