

Converting Colors

CIELCh(65, 89.919, 137.669)

Have a look what the booklet for
CIELCh(65, 89.919, 137.669)
contains.

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Color

CIELCh(65, 89.676, 137.681)

Conversions

Conversions Part 1

Format	Color
Hex	01B71C
RGB	1, 183, 28
RGB Percent	0%, 72%, 11%
CMY	0.9962, 0.2815, 0.8890
CMYK	0.99, 0.00, 0.85, 0.28
HSL	129°, 99%, 36%
HSV	129°, 99%, 72%
XYZ	17.2032, 34.0472, 6.7821
YIQ	110.9120, -58.7170, -86.7890

Conversions

Conversions Part 2

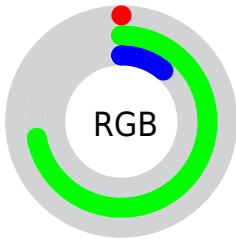
Format	Color
RYB	1, 159, 183
Decimal	112412
CIELab	65.00, -66.31, 60.38
CIELCh	65, 89.676, 137.681
Yxy	34.0472, 0.2964, 0.5867
Android (android.graphics.Color)	4278302492 (0xFF01B71C)
YUV	110.9120, -40.8756, -96.3928
Hunter-Lab	58.3500, -49.4857, 33.9536

Details

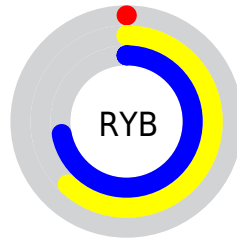
The CIELCh color **65, 89.676, 137.681** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **42, 80.131, 335.215**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **85, 89.471, 137.590**, and **46, 71.852, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 89.869, 137.628**, and if you desaturate by 10%, it is **65, 85.334, 138.971**.

Distribution



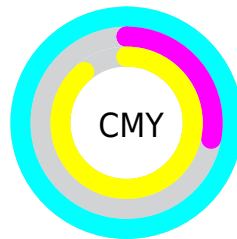
- Red (0%)
- Green (72%)
- Blue (11%)



- Red (0%)
- Yellow (62%)
- Blue (72%)



- Cyan (99%)
- Magenta (0%)
- Yellow (85%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 89.676, 137.681 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, 89.676, 137.681 by changing the saturation by 10% instead.


 65, 89.676,
137.681


 65, 89.676,
137.681


 100, 89.676,
137.681


 55, 89.676,
137.681


 85, 89.676,
137.681

 45, 89.676,
137.681

 95, 89.676,
137.681

 35, 89.676,
137.681

 25, 89.676,
137.681

 15, 89.676,
137.681

 5, 89.676, 137.681

 0, 89.676, 137.681

■ 65, 89.676,
137.681

■ 65, 89.676,
137.681

■ 65, 89.869,
137.628

■ 65, 85.334,
138.971

■ 66, 79.362,
140.445

■ 66, 71.897,
141.926

■ 67, 63.199,
143.326

■ 68, 53.543,
144.596

■ 69, 43.200,
145.719

■ 70, 32.419,
146.696

■ 71, 21.415,

147.541

■ 73, 10.367,
148.277

Harmonies

Complementary

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



65, 89.676, 137.681



42, 80.131, 335.215

Rectangle

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



65, 89.676, 137.681



65, 89.676, 187.681



65, 89.676, 317.681



65, 89.676, 7.681

Sweetspot

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



65, 89.676, 137.682



88, 40.695, 146.602



70, 76.411, 110.903



46, 27.942, 146.203



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, 89.676, 137.682



82, 109.625, 137.406



66, 59.637, 157.082



38, 6.215, 148.286



56, 79.289, 137.809



8, 17.516, 147.568

Inverse Universe

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



42, 80.131, 335.215



54, 97.115, 335.390



39, 66.511, 14.590



36, 6.231, 329.364



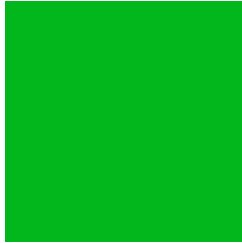
35, 71.161, 335.152



3, 16.156, 331.354

Previews

White Background



This preview shows how the CIELCh color 65, 89.676, 137.681 looks on a white background.

Color Contrast Check

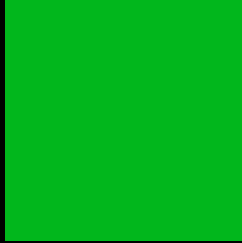
Large Text (above 18pt) WCAG AA × Fail

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, 89.676, 137.681 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, 89.676, 137.681

Background



This preview shows how black text looks on a background with the CIELCh color 65, 89.676, 137.681.



This preview shows how white text looks on a background with the CIELCh color 65, 89.676, 137.681.

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](#).

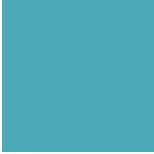
Dichromacy



Original Color
65, 89.646, 137.658

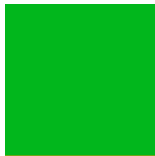
Protanopia
64, 64.808, 95.407

Deuteranopia
65, 57.561, 81.979



Tritanopia
65, 28.188, 213.506

Trichromacy



Original Color
65, 89.646, 137.658



Protanomaly
63, 71.486, 122.372



Deuteranomaly
62, 62.239, 118.416



Tritanomaly
64, 47.881, 161.783

Monochromacy



Original Color
65, 89.646, 137.658



Achromatopsia
47, 0.006, 296.813



Achromatomaly
52, 41.220, 144.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 89.676, 137.681 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(1, 183, 28)` looks like.

```
.text, #text, p{  
    color:rgb(1, 183, 28)  
}
```

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(1, 183, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 183, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 89.676, 137.681 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(1, 183, 28) }
```

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

```
.border{ border-color:rgb(1, 183, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 183, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 183, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 183, 28);  
box-shadow:4px 4px 4px 4px rgb(1, 183, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 65, 89.676, 137.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 183, 28) }
```

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

```
.background{ background-color: rgb(1, 183,  
28) }
```

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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