

Converting Colors

CIELCh(65, 85.452, 139.821)

Have a look what the booklet for
CIELCh(65, 85.452, 139.821)
contains.

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Color

CIELCh(65, 85.308, 139.787)

Conversions

Conversions Part 1

Format	Color
Hex	00B72E
RGB	0, 183, 46
RGB Percent	0%, 72%, 18%
CMY	1.0000, 0.2825, 0.8197
CMYK	1.00, 0.00, 0.75, 0.28
HSL	135°, 100%, 36%
HSV	135°, 100%, 72%
XYZ	17.4160, 34.0472, 8.2345
YIQ	112.6650, -65.0910, -81.4030

Conversions

Conversions Part 2

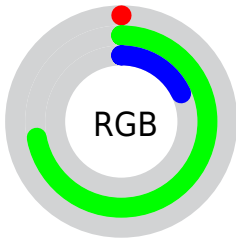
Format	Color
RYB	0, 146, 183
Decimal	46894
CIELab	65.00, -65.15, 55.08
CIELCh	65, 85.308, 139.787
Yxy	34.0472, 0.2917, 0.5703
Android (android.graphics.Color)	4278236974 (0xFF00B72E)
YUV	112.6650, -32.8658, -98.8072
Hunter-Lab	58.3500, -48.8346, 32.4778

Details

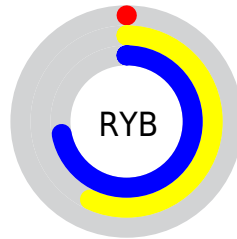
The CIELCh color **65, 85.308, 139.787** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 74.334, 341.430**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **85, 85.023, 139.774**, and **46, 71.852, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 85.303, 139.784**, and if you desaturate by 10%, it is **65, 80.437, 141.505**.

Distribution



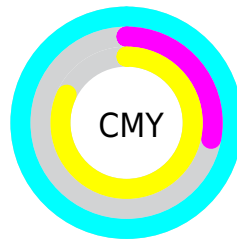
- Red (0%)
- Green (72%)
- Blue (18%)



- Red (0%)
- Yellow (57%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 85.308, 139.787 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, 85.308, 139.787 by changing the saturation by 10% instead.

 65, 85.308,
139.787


 65, 85.308,
139.787


 100, 85.308,
139.787


 55, 85.308,
139.787


 85, 85.308,
139.787

 45, 85.308,
139.787

 95, 85.308,
139.787

 35, 85.308,
139.787

 25, 85.308,
139.787

 15, 85.308,
139.787

 5, 85.308, 139.787

 0, 85.308, 139.787

■ 65, 85.308,
139.787

■ 65, 85.308,
139.787

■ 65, 85.303,
139.784

■ 65, 80.437,
141.505

■ 66, 74.415,
143.284

■ 66, 67.250,
144.962

■ 67, 59.092,
146.489

■ 68, 50.128,
147.845

■ 69, 40.561,
149.031

■ 70, 30.594,
150.062

■ 71, 20.411,

150.957

■ 73, 10.169,
151.744

Harmonies

Complementary

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



65, 85.308, 139.787



41, 74.334, 341.430

Rectangle

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



65, 85.308, 139.787



65, 85.308, 189.787



65, 85.308, 319.787



65, 85.308, 9.787

Sweetspot

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



65, 85.303, 139.784



88, 37.767, 150.014



69, 78.505, 117.364



47, 25.928, 149.596



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, 85.303, 139.784



82, 104.375, 139.470



66, 51.645, 166.094



38, 5.775, 151.793



56, 75.233, 140.029



8, 16.620, 149.967

Inverse Universe

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



41, 74.334, 341.430



53, 90.024, 341.711



38, 70.174, 25.429



36, 5.798, 332.955



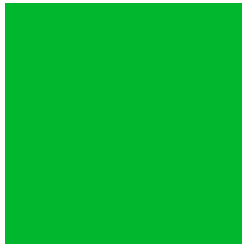
35, 66.079, 341.221



3, 14.674, 336.635

Previews

White Background



This preview shows how the CIELCh color 65, 85.308, 139.787 looks on a white background.

Color Contrast Check

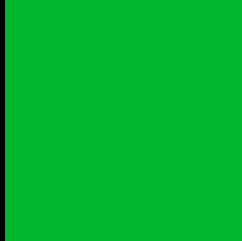
Large Text (above 18pt) WCAG AA × Fail

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, 85.308, 139.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

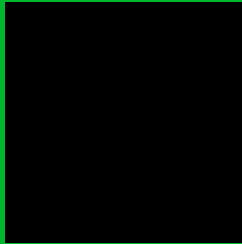
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 85.308, 139.787

Background



This preview shows how black text looks on a background with the CIELCh color 65, 85.308, 139.787.



This preview shows how white text looks on a background with the CIELCh color 65, 85.308, 139.787.

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, 85.308, 139.787

Protanopia
65, 59.856, 95.327

Deuteranopia
65, 52.541, 81.040



Tritanopia
65, 28.556, 212.065

Trichromacy



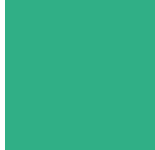
Original Color
65, 85.308, 139.787



Protanomaly
62, 66.144, 123.985



Deuteranomaly
62, 57.216, 120.562



Tritanomaly
64, 45.423, 165.593

Monochromacy



Original Color
65, 85.308, 139.787



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 38.070, 148.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 85.308, 139.787 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 85.308, 139.787 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, 46) }
```

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

```
.border{ border-color:rgb(0, 183, 46) }
```

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, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 183, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 65, 85.308, 139.787 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, 46) }
```

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

```
.background{ background-color: rgb(0, 183,  
46) }
```

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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