

Converting Colors

CIELCh(65, 86.554, 139.324)

Have a look what the booklet for
CIELCh(65, 86.554, 139.324)
contains.

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Color

CIELCh(65, 86.409, 139.242)

Conversions

Conversions Part 1

Format	Color
Hex	00B72A
RGB	0, 183, 42
RGB Percent	0%, 72%, 16%
CMY	0.9995, 0.2822, 0.8351
CMYK	1.00, 0.00, 0.77, 0.28
HSL	134°, 100%, 36%
HSV	134°, 100%, 72%
XYZ	17.3596, 34.0472, 7.8504
YIQ	112.2090, -63.8070, -82.6470

Conversions

Conversions Part 2

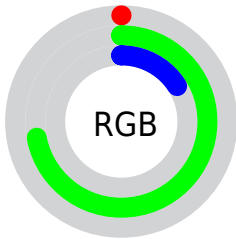
Format	Color
RYB	0, 149, 183
Decimal	46890
CIELab	65.00, -65.45, 56.41
CIELCh	65, 86.409, 139.242
Yxy	34.0472, 0.2930, 0.5746
Android (android.graphics.Color)	4278236970 (0xFF00B72A)
YUV	112.2090, -34.6130, -98.4073
Hunter-Lab	58.3500, -49.0072, 32.8681

Details

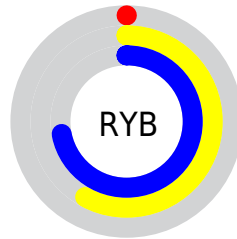
The CIELCh color **65, 86.409, 139.242** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 75.521, 339.965**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **85, 86.107, 139.270**, and **46, 71.852, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 86.439, 139.233**, and if you desaturate by 10%, it is **65, 81.614, 140.882**.

Distribution



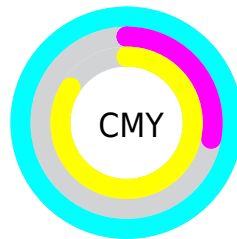
- Red (0%)
- Green (72%)
- Blue (16%)



- Red (0%)
- Yellow (58%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 86.409, 139.242 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, 86.409, 139.242 by changing the saturation by 10% instead.

 65, 86.409,
139.242


 65, 86.409,
139.242


 100, 86.409,
139.242


 55, 86.409,
139.242


 85, 86.409,
139.242

 45, 86.409,
139.242

 95, 86.409,
139.242

 35, 86.409,
139.242

 25, 86.409,
139.242

 15, 86.409,
139.242

 5, 86.409, 139.242

 0, 86.409, 139.242

■ 65, 86.409,
139.242

■ 65, 86.409,
139.242

■ 65, 86.439,
139.233

■ 65, 81.614,
140.882

■ 66, 75.574,
142.606

■ 66, 68.326,
144.248

■ 67, 60.041,
145.751

■ 68, 50.922,
147.090

■ 69, 41.185,
148.264

■ 70, 31.041,
149.283

■ 71, 20.681,

150.167

■ 73, 10.265,
150.942

Harmonies

Complementary

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



65, 86.409, 139.242



41, 75.521, 339.965

Rectangle

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



65, 86.409, 139.242



65, 86.409, 189.242



65, 86.409, 319.242



65, 86.409, 9.242

Sweetspot

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



65, 86.409, 139.243



88, 38.397, 149.229



69, 77.824, 115.599



47, 26.362, 148.815



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, 86.409, 139.243



82, 105.697, 138.936



66, 53.886, 163.237



38, 5.869, 150.985



56, 76.233, 139.466



8, 16.813, 149.423

Inverse Universe

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



41, 75.521, 339.965



53, 91.460, 340.219



38, 68.881, 22.523



36, 5.890, 332.126



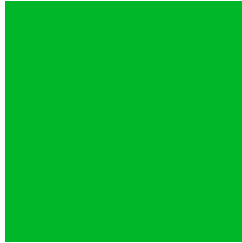
35, 67.113, 339.791



3, 14.973, 335.447

Previews

White Background



This preview shows how the CIELCh color 65, 86.409, 139.242 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, 86.409, 139.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

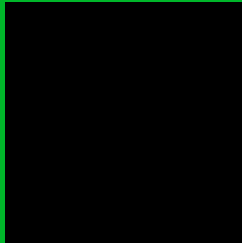
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 86.409, 139.242

Background



This preview shows how black text looks on a background with the CIELCh color 65, 86.409, 139.242.



This preview shows how white text looks on a background with the CIELCh color 65, 86.409, 139.242.

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, 86.409, 139.242

Protanopia

65, 61.140, 95.356

Deuteranopia

64, 53.796, 81.424



Tritanopia
65, 28.370, 212.178

Trichromacy



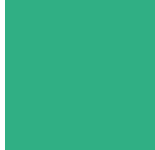
Original Color
65, 86.409, 139.242



Protanomaly
62, 67.389, 123.509



Deuteranomaly
62, 58.392, 120.136



Tritanomaly
64, 46.150, 164.490

Monochromacy



Original Color
65, 86.409, 139.242



Achromatopsia
47, 0.006, 296.813



Achromatomaly
52, 39.168, 147.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 86.409, 139.242 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 86.409, 139.242 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, 42) }
```

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

```
.border{ border-color:rgb(0, 183, 42) }
```

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, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 183, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 65, 86.409, 139.242 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, 42) }
```

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

```
.background{ background-color: rgb(0, 183,  
42) }
```

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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