

Converting Colors

CIELCh(64, 89.768, 136.452)

Have a look what the booklet for
CIELCh(64, 89.768, 136.452)
contains.

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Color

CIELCh(64, 89.784, 136.422)

Conversions

Conversions Part 1

Format	Color
Hex	11B411
RGB	17, 180, 17
RGB Percent	7%, 71%, 7%
CMY	0.9333, 0.2941, 0.9333
CMYK	0.91, 0.00, 0.91, 0.29
HSL	120°, 83%, 39%
HSV	120°, 91%, 71%
XYZ	16.6533, 32.8017, 5.9839
YIQ	112.6810, -44.8250, -85.2490

Conversions

Conversions Part 2

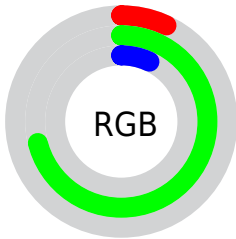
Format	Color
RYB	17, 180, 180
Decimal	1160209
CIELab	64.00, -65.04, 61.89
CIELCh	64, 89.784, 136.422
Yxy	32.8017, 0.3004, 0.5917
Android (android.graphics.Color)	4279350289 (0xFF11B411)
YUV	112.6810, -47.1707, -83.9122
Hunter-Lab	57.2727, -48.3245, 33.8963

Details

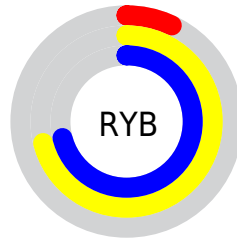
The CIELCh color **64, 89.784, 136.422** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **43, 86.969, 328.158**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 89.624, 136.369**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 92.221, 136.017**, and if you desaturate by 10%, it is **64, 85.247, 137.139**.

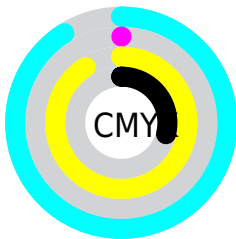
Distribution



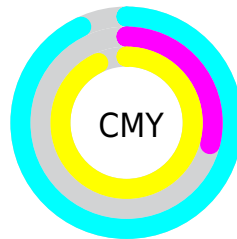
- Red (7%)
- Green (71%)
- Blue (7%)



- Red (7%)
- Yellow (71%)
- Blue (7%)



- Cyan (91%)
- Magenta (0%)
- Yellow (91%)
- Black (29%)



- Cyan (93%)
- Magenta (29%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 89.784, 136.422 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 64, 89.784, 136.422 by changing the saturation by 10% instead.

 64, 89.784,
136.422

 64, 89.784,
136.422

 100, 89.784,
136.422


 54, 89.784,
136.422

 84, 89.784,
136.422

 44, 89.784,
136.422

 94, 89.784,
136.422

 34, 89.784,
136.422

 24, 89.784,
136.422

 14, 89.784,
136.422

 4, 89.784, 136.422

 0, 89.784, 136.422

■ 64, 89.784,
136.422

■ 64, 89.784,
136.422

■ 64, 92.221,
136.017

■ 64, 85.247,
137.139

■ 65, 78.413,
138.125

■ 65, 69.694,
139.237

■ 66, 59.568,
140.354

■ 67, 48.471,
141.396

■ 68, 36.768,
142.328

■ 70, 24.755,
143.140

■ 71, 12.661,

143.843

■ 73, 0.656, 144.777

Harmonies

Complementary

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



64, 89.784, 136.422



43, 86.969, 328.158

Rectangle

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



64, 89.784, 136.422



64, 89.784, 186.422



64, 89.784, 316.422



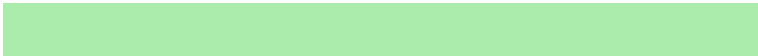
64, 89.784, 6.422

Sweetspot

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



64, 89.784, 136.423



87, 40.327, 142.592



71, 72.548, 103.043



46, 27.126, 142.306



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 89.784, 136.423



81, 112.454, 136.016



65, 64.515, 151.250



37, 6.740, 143.924



55, 81.801, 136.017



6, 16.259, 144.445

Inverse Universe

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



43, 86.969, 328.158



56, 108.495, 328.236



40, 63.961, 358.337



35, 6.750, 324.927



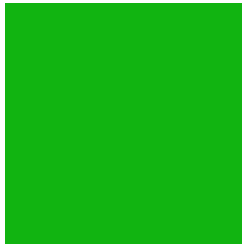
36, 78.922, 328.236



3, 16.260, 324.443

Previews

White Background



This preview shows how the CIELCh color 64, 89.784, 136.422 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 64, 89.784, 136.422 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 64, 89.784, 136.422

Background



This preview shows how black text looks on a background with the CIELCh color 64, 89.784, 136.422.



This preview shows how white text looks on a background with the CIELCh color 64, 89.784, 136.422.

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

64, 89.784, 136.422

Protanopia

63, 67.198, 94.897

Deuteranopia

63, 58.662, 82.066



Tritanopia
64, 27.359, 214.105

Trichromacy



Original Color
64, 89.784, 136.422



Protanomaly
62, 71.905, 119.117



Deuteranomaly
61, 62.910, 115.336



Tritanomaly
63, 47.737, 159.175

Monochromacy



Original Color
64, 89.784, 136.422



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 41.119, 141.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 89.784, 136.422 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(17, 180, 17)` looks like.

```
.text, #text, p{  
    color:rgb(17, 180, 17)  
}
```

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(17, 180, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 180, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 89.784, 136.422 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(17, 180, 17) }
```

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

```
.border{ border-color:rgb(17, 180, 17) }
```

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

Here you see how a box with a 4 pixel rgb(17, 180, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 180, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 180, 17);  
box-shadow:4px 4px 4px 4px rgb(17, 180,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 89.784, 136.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 180, 17) }
```

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

```
.background{ background-color: rgb(17, 180,  
17) }
```

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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