

Converting Colors

CIELCh(64, 89.722, 136.728)

Have a look what the booklet for
CIELCh(64, 89.722, 136.728)
contains.

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Color

CIELCh(64, 89.714, 136.734)

Conversions

Conversions Part 1

Format	Color
Hex	0BB413
RGB	11, 180, 19
RGB Percent	4%, 71%, 7%
CMY	0.9553, 0.2937, 0.9248
CMYK	0.94, 0.00, 0.89, 0.29
HSL	123°, 88%, 38%
HSV	123°, 94%, 71%
XYZ	16.6025, 32.8017, 6.0795
YIQ	111.1150, -49.0430, -85.8990

Conversions

Conversions Part 2

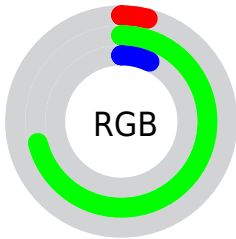
Format	Color
RYB	11, 172, 180
Decimal	766995
CIELab	64.00, -65.33, 61.49
CIELCh	64, 89.714, 136.734
Yxy	32.8017, 0.2992, 0.5912
Android (android.graphics.Color)	4278957075 (0xFF0BB413)
YUV	111.1150, -45.4127, -87.8009
Hunter-Lab	57.2727, -48.4830, 33.7972

Details

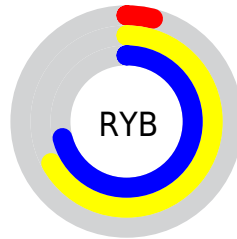
The CIELCh color **64, 89.714, 136.734** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **43, 84.794, 329.995**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 89.577, 136.757**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 91.400, 136.400**, and if you desaturate by 10%, it is **64, 85.369, 137.632**.

Distribution



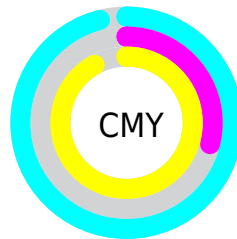
- Red (4%)
- Green (71%)
- Blue (7%)



- Red (4%)
- Yellow (67%)
- Blue (71%)



- Cyan (94%)
- Magenta (0%)
- Yellow (89%)
- Black (29%)




- Cyan (96%)
- Magenta (29%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 89.714, 136.734 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, 89.714, 136.734 by changing the saturation by 10% instead.

 64, 89.714,
136.734


 64, 89.714,
136.734


 100, 89.714,
136.734


 54, 89.714,
136.734


 84, 89.714,
136.734

 44, 89.714,
136.734

 94, 89.714,
136.734

 34, 89.714,
136.734

 24, 89.714,
136.734

 14, 89.714,
136.734

 4, 89.714, 136.734

 0, 89.714, 136.734

■ 64, 89.714,
136.734

■ 64, 89.714,
136.734

■ 64, 91.400,
136.400

■ 64, 85.369,
137.632

■ 65, 78.906,
138.757

■ 65, 70.666,
139.974

■ 66, 61.057,
141.172

■ 67, 50.467,
142.281

■ 68, 39.233,
143.270

■ 69, 27.640,
144.132

■ 71, 15.916,

144.876

■ 73, 4.236, 145.548

Harmonies

Complementary

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



64, 89.714, 136.734



43, 84.794, 329.995

Rectangle

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



64, 89.714, 136.734



64, 89.714, 186.734



64, 89.714, 316.734



64, 89.714, 6.734

Sweetspot

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



64, 89.714, 136.735



87, 40.528, 143.732



71, 73.408, 104.932



46, 27.918, 143.355



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, 89.714, 136.735



81, 111.700, 136.293



65, 63.654, 152.311



37, 6.532, 145.169



55, 80.880, 136.483



6, 15.871, 145.405

Inverse Universe

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



43, 84.794, 329.995



55, 104.601, 330.181



39, 64.062, 2.462



35, 6.543, 326.187



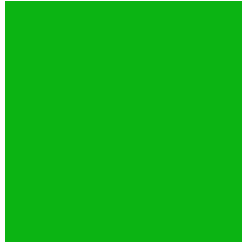
36, 76.171, 330.121



3, 15.503, 326.372

Previews

White Background



This preview shows how the CIELCh color 64, 89.714, 136.734 looks on a white background.

Color Contrast Check

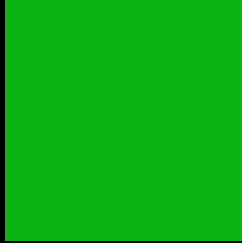
Large Text (above 18pt) WCAG AA × Fail

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, 89.714, 136.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

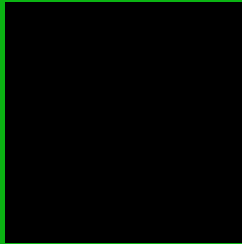
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 89.714, 136.734

Background



This preview shows how black text looks on a background with the CIELCh color 64, 89.714, 136.734.

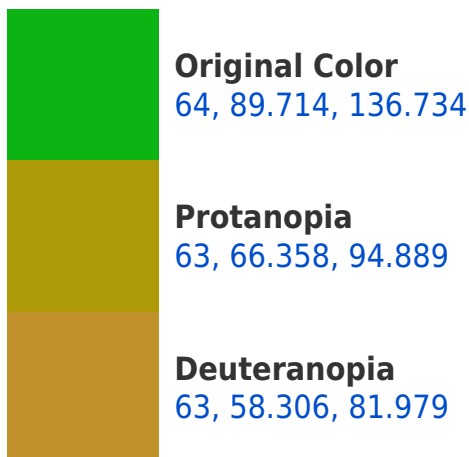


This preview shows how white text looks on a background with the CIELCh color 64, 89.714, 136.734.

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





Tritanopia
64, 27.551, 213.971

Trichromacy



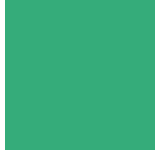
Original Color
64, 89.714, 136.734



Protanomaly
62, 71.531, 119.928



Deuteranomaly
61, 62.817, 116.178



Tritanomaly
63, 47.641, 159.890

Monochromacy



Original Color
64, 89.714, 136.734



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 41.121, 142.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 89.714, 136.734 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(11, 180, 19)` looks like.

```
.text, #text, p{  
    color:rgb(11, 180, 19)  
}
```

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(11, 180, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 180, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 89.714, 136.734 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(11, 180, 19) }
```

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

```
.border{ border-color:rgb(11, 180, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 180, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 180, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 180, 19);  
box-shadow:4px 4px 4px 4px rgb(11, 180,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 89.714, 136.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 180, 19) }
```

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

```
.background{ background-color: rgb(11, 180,  
19) }
```

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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