

Converting Colors

CIELCh(66, 92.918, 136.836)

Have a look what the booklet for
CIELCh(66, 92.918, 136.836)
contains.

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Color

CIELCh(66, 92.702, 136.805)

Conversions

Conversions Part 1

Format	Color
Hex	02BA12
RGB	2, 186, 18
RGB Percent	1%, 73%, 7%
CMY	0.9933, 0.2692, 0.9306
CMYK	0.99, 0.00, 0.91, 0.27
HSL	125°, 98%, 37%
HSV	125°, 99%, 73%
XYZ	17.7630, 35.3238, 6.4405
YIQ	111.8320, -55.7360, -91.2560

Conversions

Conversions Part 2

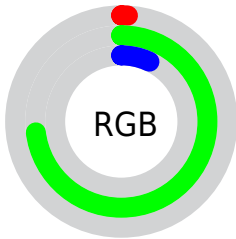
Format	Color
RYB	2, 171, 186
Decimal	178706
CIELab	66.00, -67.58, 63.45
CIELCh	66, 92.702, 136.805
Yxy	35.3238, 0.2984, 0.5934
Android (android.graphics.Color)	4278368786 (0xFF02BA12)
YUV	111.8320, -46.2592, -96.3227
Hunter-Lab	59.4338, -50.6610, 35.1787

Details

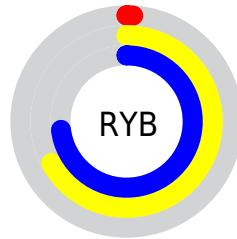
The CIELCh color **66, 92.702, 136.805** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **43, 85.176, 331.975**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **86, 92.582, 136.893**, and **47, 73.063, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 92.959, 136.751**, and if you desaturate by 10%, it is **66, 88.938, 137.745**.

Distribution



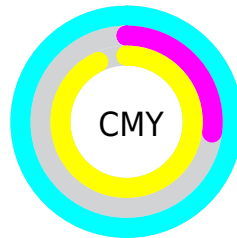
- Red (1%)
- Green (73%)
- Blue (7%)



- Red (1%)
- Yellow (67%)
- Blue (73%)



- Cyan (99%)
- Magenta (0%)
- Yellow (91%)
- Black (27%)





- Cyan (99%)
- Magenta (27%)
- Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 92.702, 136.805 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 66, 92.702, 136.805 by changing the saturation by 10% instead.


 66, 92.702,
136.805


 66, 92.702,
136.805


 100, 92.702,
136.805


 56, 92.702,
136.805


 86, 92.702,
136.805

 46, 92.702,
136.805

 96, 92.702,
136.805

 36, 92.702,
136.805

 26, 92.702,
136.805

 16, 92.702,
136.805

 6, 92.702, 136.805

 0, 92.702, 136.805

■ 66, 92.702,
136.805

■ 66, 92.702,
136.805

■ 66, 92.959,
136.751

■ 66, 88.938,
137.745

■ 66, 83.163,
138.961

■ 67, 75.570,
140.276

■ 68, 66.507,
141.575

■ 69, 56.334,
142.785

■ 70, 45.382,
143.869

■ 71, 33.946,
144.817

■ 72, 22.270,

145.637

■ 74, 10.552,
146.349

Harmonies

Complementary

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



66, 92.702, 136.805



43, 85.176, 331.975

Rectangle

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



66, 92.702, 136.805



66, 92.702, 186.805



66, 92.702, 316.805



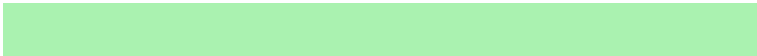
66, 92.702, 6.805

Sweetspot

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



66, 92.701, 136.806



90, 43.309, 144.692



72, 76.762, 107.947



47, 29.734, 144.299



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 92.701, 136.806



84, 113.591, 136.600



67, 63.934, 153.926



39, 6.649, 146.330



57, 82.060, 136.878



9, 20.790, 146.039

Inverse Universe

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



43, 85.176, 331.975



56, 103.743, 332.080



40, 66.640, 9.665



37, 6.662, 327.376



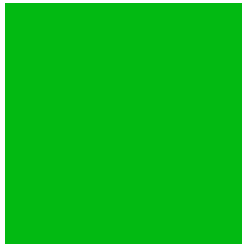
37, 75.599, 331.961



3, 19.734, 328.703

Previews

White Background



This preview shows how the CIELCh color 66, 92.702, 136.805 looks on a white background.

Color Contrast Check

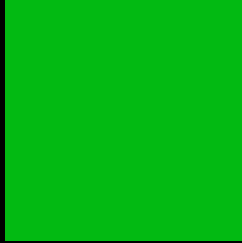
Large Text (above 18pt) WCAG AA × Fail

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 66, 92.702, 136.805 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 66, 92.702, 136.805

Background



This preview shows how black text looks on a background with the CIELCh color 66, 92.702, 136.805.

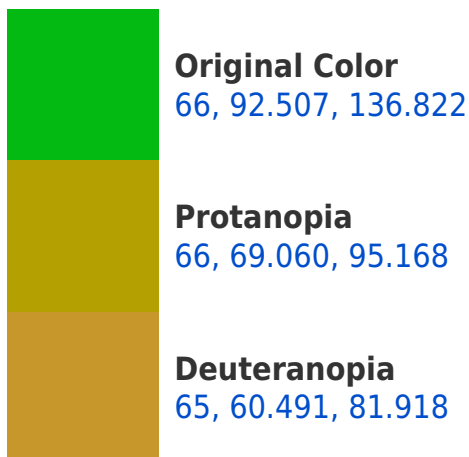


This preview shows how white text looks on a background with the CIELCh color 66, 92.702, 136.805.

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
66, 28.447, 213.304

Trichromacy



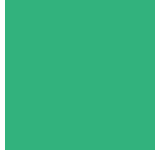
Original Color
66, 92.507, 136.822



Protanomaly
64, 75.210, 121.140



Deuteranomaly
63, 65.486, 117.437



Tritanomaly
65, 50.104, 159.741

Monochromacy



Original Color
66, 92.507, 136.822



Achromatopsia
47, 0.006, 296.813



Achromatomaly
52, 43.583, 143.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 92.702, 136.805 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(2, 186, 18)` looks like.

```
.text, #text, p{  
    color:rgb(2, 186, 18)  
}
```

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(2, 186, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 186, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 92.702, 136.805 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(2, 186, 18) }
```

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

```
.border{ border-color:rgb(2, 186, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 186, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 186, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 186, 18);  
box-shadow:4px 4px 4px 4px rgb(2, 186, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 66, 92.702, 136.805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 186, 18) }
```

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

```
.background{ background-color: rgb(2, 186,  
18) }
```

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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