

Converting Colors

CIELCh(68, 92.393, 137.582)

Have a look what the booklet for
CIELCh(68, 92.393, 137.582)
contains.

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Color

CIELCh(68, 92.212, 137.640)

Conversions

Conversions Part 1

Format	Color
Hex	0CC020
RGB	12, 192, 32
RGB Percent	5%, 75%, 13%
CMY	0.9532, 0.2462, 0.8734
CMYK	0.94, 0.00, 0.83, 0.25
HSL	127°, 88%, 40%
HSV	127°, 94%, 75%
XYZ	19.3092, 37.9720, 7.6971
YIQ	119.9400, -55.9200, -87.9200

Conversions

Conversions Part 2

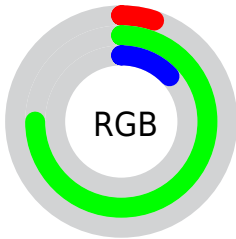
Format	Color
RYB	12, 174, 192
Decimal	835616
CIELab	68.00, -68.14, 62.13
CIElCh	68, 92.212, 137.640
Yxy	37.9720, 0.2972, 0.5844
Android (android.graphics.Color)	4279025696 (0xFF0CC020)
YUV	119.9400, -43.3544, -94.6634
Hunter-Lab	61.6215, -51.9041, 35.7291

Details

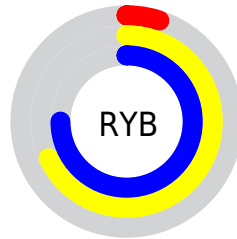
The CIELCh color **68, 92.212, 137.640** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **45, 84.733, 332.984**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 92.346, 137.638**, and **49, 75.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 94.460, 137.039**, and if you desaturate by 10%, it is **68, 87.068, 138.900**.

Distribution



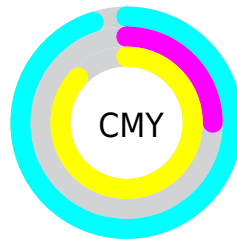
- Red (5%)
- Green (75%)
- Blue (13%)



- Red (5%)
- Yellow (68%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (83%)
- Black (25%)




- Cyan (95%)
- Magenta (25%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 92.212, 137.640 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 68, 92.212, 137.640 by changing the saturation by 10% instead.


 68, 92.212,
137.640


 68, 92.212,
137.640


 100, 92.212,
137.640


 58, 92.212,
137.640


 88, 92.212,
137.640

 48, 92.212,
137.640

 98, 92.212,
137.640

 38, 92.212,
137.640

 28, 92.212,
137.640

 18, 92.212,
137.640

 8, 92.212, 137.640

 0, 92.212, 137.640

■ 68, 92.212,
137.640

■ 68, 92.212,
137.640

■ 68, 94.460,
137.039

■ 68, 87.068,
138.900

■ 69, 80.060,
140.280

■ 69, 71.484,
141.658

■ 70, 61.675,
142.954

■ 71, 50.958,
144.122

■ 72, 39.635,
145.149

■ 74, 27.967,
146.040

■ 75, 16.171,

146.809

■ 77, 4.416, 147.507

Harmonies

Complementary

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



68, 92.212, 137.640



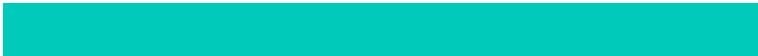
45, 84.733, 332.984

Rectangle

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



68, 92.212, 137.640



68, 92.212, 187.640



68, 92.212, 317.640



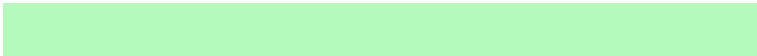
68, 92.212, 7.640

Sweetspot

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



68, 92.212, 137.641



92, 40.713, 145.642



74, 77.605, 108.800



48, 28.064, 145.244



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 92.212, 137.641



86, 115.551, 136.865



69, 62.332, 156.076



40, 6.672, 147.118



57, 82.395, 137.197



10, 22.979, 146.167

Inverse Universe

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



45, 84.733, 332.984



58, 104.000, 333.412



41, 67.174, 8.837



38, 6.687, 328.182



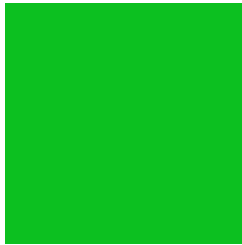
37, 74.947, 333.245



4, 21.786, 330.490

Previews

White Background



This preview shows how the CIELCh color 68, 92.212, 137.640 looks on a white background.

Color Contrast Check

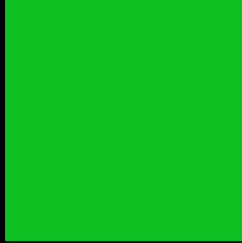
Large Text (above 18pt) WCAG AA × Fail

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 68, 92.212, 137.640 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 68, 92.212, 137.640

Background



This preview shows how black text looks on a background with the CIELCh color 68, 92.212, 137.640.



This preview shows how white text looks on a background with the CIELCh color 68, 92.212, 137.640.

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](#).

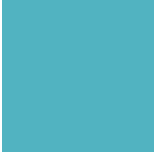
Dichromacy



Original Color
68, 92.182, 137.617

Protanopia
67, 66.712, 95.359

Deuteranopia
67, 59.226, 81.462



Tritanopia
68, 29.151, 212.799

Trichromacy



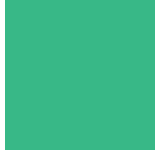
Original Color
68, 92.182, 137.617



Protanomaly
66, 72.869, 121.298



Deuteranomaly
65, 63.592, 117.265



Tritanomaly
67, 48.676, 162.047

Monochromacy



Original Color
68, 92.182, 137.617



Achromatopsia
50, 0.007, 296.813



Achromatomaly
55, 41.557, 143.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 92.212, 137.640 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(12, 192, 32)` looks like.

```
.text, #text, p{  
    color:rgb(12, 192, 32)  
}
```

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(12, 192, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 192, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 92.212, 137.640 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(12, 192, 32) }
```

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

```
.border{ border-color:rgb(12, 192, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 192, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 192, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 192, 32);  
box-shadow:4px 4px 4px 4px rgb(12, 192,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 92.212, 137.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 192, 32) }
```

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

```
.background{ background-color: rgb(12, 192,  
32) }
```

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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