

Converting Colors

CIELCh(57, 111.926, 132.566)

Have a look what the booklet for
CIELCh(57, 111.926, 132.566)
contains.

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Color

CIElCh(58, 85.698, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	00A200
RGB	0, 162, 0
RGB Percent	0%, 64%, 0%
CMY	1.0000, 0.3632, 1.0000
CMYK	1.00, 0.00, 1.00, 0.36
HSL	120°, 100%, 32%
HSV	120°, 100%, 64%
XYZ	12.9528, 25.9610, 4.2933
YIQ	95.0940, -44.5500, -84.7260

Conversions

Conversions Part 2

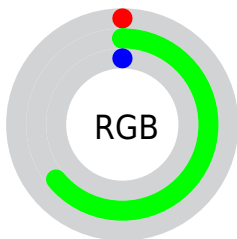
Format	Color
RYB	0, 162, 162
Decimal	41472
CIELab	58.00, -61.66, 59.51
CIElCh	58, 85.698, 136.016
Yxy	25.9610, 0.2998, 0.6009
Android (android.graphics.Color)	4278231552 (0xFF00A200)
YUV	95.0940, -46.8813, -83.3974
Hunter-Lab	50.9519, -43.7884, 30.6705

Details

The CIELCh color **58, 85.698, 136.016** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **38, 82.459, 328.233**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 85.102, 135.993**, and **39, 64.053, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 85.464, 136.016**, and if you desaturate by 10%, it is **58, 82.803, 136.493**.

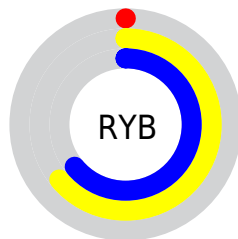
Distribution



Red (0%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (64%)

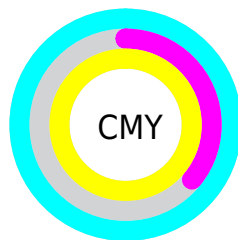


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.698, 136.016 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 58, 85.698, 136.016 by changing the saturation by 10% instead.


 58, 85.698,
136.016


 58, 85.698,
136.016


 100, 85.698,
136.016


 48, 85.698,
136.016


 78, 85.698,
136.016

 38, 85.698,
136.016

 88, 85.698,
136.016

 28, 85.698,
136.016

 98, 85.698,
136.016

 18, 85.698,
136.016

 8, 85.698, 136.016

 0, 85.698, 136.016

■ 58, 85.698,
136.016

■ 58, 85.698,
136.016

■ 58, 85.464,
136.016

■ 58, 82.803,
136.493

■ 58, 78.361,
137.242

■ 59, 71.858,
138.242

■ 59, 63.682,
139.351

■ 60, 54.266,
140.454

■ 61, 43.998,
141.479

■ 62, 33.203,
142.394

■ 64, 22.144,

143.192

■ 65, 11.023,
143.883

Harmonies

Complementary

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



58, 85.698, 136.016



38, 82.459, 328.233

Rectangle

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



58, 85.698, 136.016



58, 85.698, 186.016



58, 85.698, 316.016



58, 85.698, 6.016

Sweetspot

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



58, 85.464, 136.016



79, 41.187, 142.346



65, 69.147, 102.852



42, 28.272, 141.990



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



58, 85.464, 136.016



74, 104.071, 136.016



59, 63.222, 149.387



34, 6.258, 143.930



52, 78.792, 136.016



4, 9.703, 144.443

Inverse Universe

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



38, 82.459, 328.233



50, 100.412, 328.233



35, 60.518, 1.543



32, 6.267, 324.918



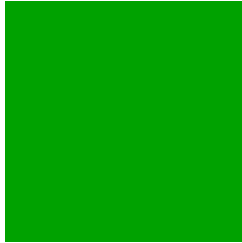
34, 76.021, 328.233



2, 9.704, 324.439

Previews

White Background



This preview shows how the CIELCh color 58, 85.698, 136.016 looks on a white background.

Color Contrast Check

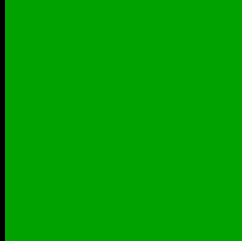
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 85.698, 136.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

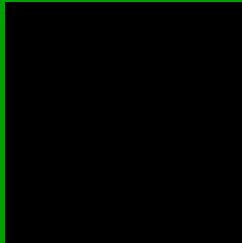
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 85.698, 136.016

Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.698, 136.016.



This preview shows how white text looks on a background with the CIELCh color 58, 85.698, 136.016.

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
58, 85.311, 136.016

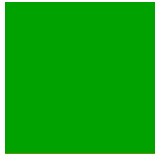
Protanopia
58, 62.268, 95.422

Deuteranopia
58, 55.083, 82.653



Tritanopia
58, 25.564, 212.947

Trichromacy



Original Color
58, 85.311, 136.016



Protanomaly
56, 68.667, 121.083



Deuteranomaly
55, 60.981, 116.973



Tritanomaly
57, 46.888, 157.441

Monochromacy



Original Color
58, 85.311, 136.016



Achromatopsia
40, 0.006, 296.813



Achromatomaly
45, 42.463, 140.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 85.698, 136.016 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, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 0)  
}
```

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, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 85.698, 136.016 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, 162, 0) }
```

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

```
.border{ border-color:rgb(0, 162, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 162, 0); box-shadow:4px  
4px 4px 4px rgb(0, 162, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 85.698, 136.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 0) }
```

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

```
.background{ background-color: rgb(0, 162,  
0) }
```

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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