

Converting Colors

CIELCh(58, 85.311, 136.016)

Have a look what the booklet for
CIELCh(58, 85.311, 136.016)
contains.

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Color

CIElCh(58, 85.153, 136.045)

Conversions

Conversions Part 1

Format	Color
Hex	02A202
RGB	2, 162, 2
RGB Percent	1%, 64%, 1%
CMY	0.9915, 0.3636, 0.9937
CMYK	0.99, 0.00, 0.99, 0.36
HSL	120°, 98%, 32%
HSV	120°, 99%, 64%
XYZ	13.0075, 25.9610, 4.3712
YIQ	95.9200, -44.0000, -83.6800

Conversions

Conversions Part 2

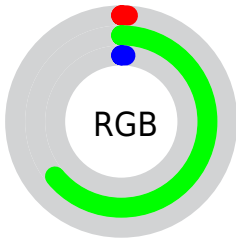
Format	Color
R_{YB}	2, 162, 162
Decimal	172546
CIE _{Lab}	58.00, -61.30, 59.10
CIE _{LCh}	58, 85.153, 136.045
Yxy	25.9610, 0.3001, 0.5990
Android (android.graphics.Color)	4278362626 (0xFF02A202)
YUV	95.9200, -46.3026, -82.3678
Hunter-Lab	50.9519, -43.5965, 30.5798

Details

The CIELCh color **58, 85.153, 136.045** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **38, 82.225, 328.091**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 84.769, 136.139**, and **39, 64.053, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 85.405, 135.999**, and if you desaturate by 10%, it is **58, 82.397, 136.530**.

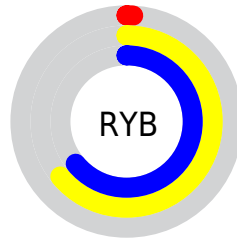
Distribution



Red (1%)

Green (64%)

Blue (1%)



Red (1%)

Yellow (64%)

Blue (64%)

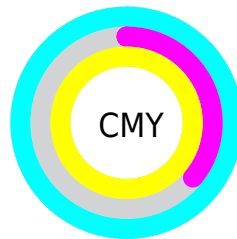


Cyan (99%)

Magenta (0%)

Yellow (99%)

Black (36%)



Cyan (99%)


Magenta (36%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 85.153, 136.045 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, 85.153, 136.045 by changing the saturation by 10% instead.


 58, 85.153,
136.045


 58, 85.153,
136.045


 100, 85.153,
136.045


 48, 85.153,
136.045


 78, 85.153,
136.045

 38, 85.153,
136.045

 88, 85.153,
136.045

 28, 85.153,
136.045

 98, 85.153,
136.045

 18, 85.153,
136.045

 8, 85.153, 136.045

 0, 85.153, 136.045

■ 58, 85.153,
136.045

■ 58, 85.153,
136.045

■ 58, 85.405,
135.999

■ 58, 82.397,
136.530

■ 58, 77.726,
137.297

■ 59, 71.031,
138.301

■ 59, 62.714,
139.404

■ 60, 53.202,
140.492

■ 61, 42.880,
141.500

■ 62, 32.063,
142.398

■ 64, 21.007,

143.180

■ 65, 9.907, 143.858

Harmonies

Complementary

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



58, 85.153, 136.045



38, 82.225, 328.091

Rectangle

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



58, 85.153, 136.045



58, 85.153, 186.045



58, 85.153, 316.045



58, 85.153, 6.045

Sweetspot

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



58, 85.152, 136.046



79, 41.142, 142.266



64, 68.061, 101.839



42, 28.241, 141.912



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, 85.152, 136.046



74, 104.054, 136.004



59, 63.877, 148.766



34, 6.251, 143.842



52, 78.771, 135.997



4, 9.693, 144.361

Inverse Universe

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



38, 82.225, 328.091



50, 100.426, 328.096



35, 60.551, 359.639



32, 6.261, 324.825



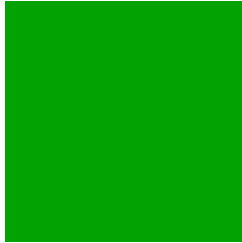
34, 76.031, 328.100



2, 9.690, 324.317

Previews

White Background



This preview shows how the CIELCh color 58, 85.153, 136.045 looks on a white background.

Color Contrast Check

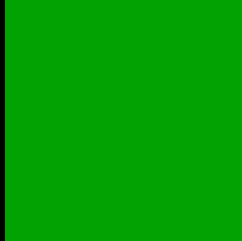
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.153, 136.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

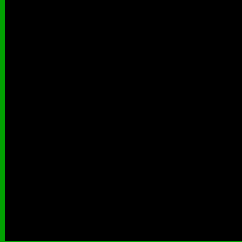
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

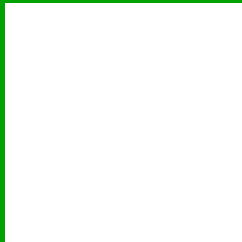
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 85.153, 136.045

Background



This preview shows how black text looks on a background with the CIELCh color 58, 85.153, 136.045.



This preview shows how white text looks on a background with the CIELCh color 58, 85.153, 136.045.

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, 84.995, 136.074

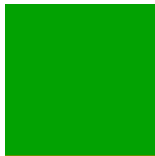
Protanopia
58, 62.268, 95.422

Deuteranopia
57, 54.922, 82.045



Tritanopia
58, 25.564, 212.947

Trichromacy



Original Color
58, 84.995, 136.074



Protanomaly
56, 67.934, 120.604

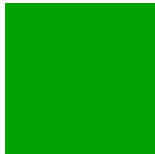


Deuteranomaly
55, 60.154, 116.363



Tritanomaly
57, 46.753, 157.328

Monochromacy



Original Color
58, 84.995, 136.074



Achromatopsia
41, 0.006, 296.813



Achromatomaly
45, 41.152, 140.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 85.153, 136.045 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, 162, 2)` looks like.

```
.text, #text, p{  
    color:rgb(2, 162, 2)  
}
```

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, 162, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 58, 85.153, 136.045 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, 162, 2) }
```

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

```
.border{ border-color:rgb(2, 162, 2) }
```

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

Here you see how a box with a 4 pixel rgb(2, 162, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 162, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 162, 2); box-shadow:4px  
4px 4px 4px rgb(2, 162, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 85.153, 136.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 162, 2) }
```

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

```
.background{ background-color: rgb(2, 162,  
2) }
```

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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