

Converting Colors

CIELCh(58, 81.455, 136.623)

Have a look what the booklet for
CIELCh(58, 81.455, 136.623)
contains.

CIELCh(58, 81.505, 136.630)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 81.505, 136.630)

Conversions

Conversions Part 1

Format	Color
Hex	15A215
RGB	21, 162, 21
RGB Percent	8%, 64%, 8%
CMY	0.9163, 0.3658, 0.9192
CMYK	0.87, 0.00, 0.87, 0.37
HSL	120°, 77%, 36%
HSV	120°, 87%, 63%
XYZ	13.3207, 25.9610, 4.9992
YIQ	103.7670, -38.7750, -73.7430

Conversions

Conversions Part 2

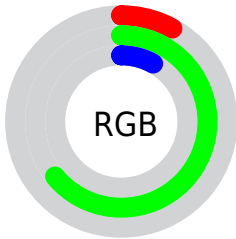
Format	Color
R _Y B	21, 162, 162
Decimal	1417749
CIE Lab	58.00, -59.25, 55.97
CIE LCh	58, 81.505, 136.630
Yxy	25.9610, 0.3008, 0.5863
Android (android.graphics.Color)	4279607829 (0xFF15A215)
YUV	103.7670, -40.8041, -72.5867
Hunter-Lab	50.9519, -42.4993, 29.8490

Details

The CIELCh color **58, 81.505, 136.630** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **39, 79.175, 327.923**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 81.416, 136.827**, and **39, 64.053, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 84.480, 136.119**, and if you desaturate by 10%, it is **58, 76.459, 137.443**.

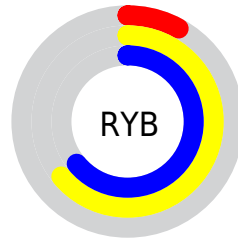
Distribution



Red (8%)

Green (64%)

Blue (8%)



Red (8%)

Yellow (64%)

Blue (64%)

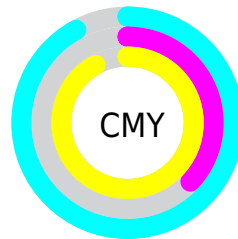


Cyan (87%)

Magenta (0%)

Yellow (87%)

Black (37%)



Cyan (92%)


Magenta (37%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 81.505, 136.630 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, 81.505, 136.630 by changing the saturation by 10% instead.


 58, 81.505,
136.630


 58, 81.505,
136.630


 100, 81.505,
136.630


 48, 81.505,
136.630


 78, 81.505,
136.630

 38, 81.505,
136.630

 88, 81.505,
136.630

 28, 81.505,
136.630

 98, 81.505,
136.630

 18, 81.505,
136.630

 8, 81.505, 136.630

 0, 81.505, 136.630

■ 58, 81.505,
136.630

■ 58, 81.505,
136.630

■ 58, 84.480,
136.119

■ 58, 76.459,
137.443

■ 58, 85.177,
135.991

■ 59, 69.461,
138.468

■ 59, 60.924,
139.569

■ 60, 51.272,
140.643

■ 61, 40.874,
141.629

■ 62, 30.034,
142.503

■ 64, 18.995,
143.263

■ 65, 7.942, 143.926

Harmonies

Complementary

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



58, 81.505, 136.630



39, 79.175, 327.923

Rectangle

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



58, 81.505, 136.630



58, 81.505, 186.630



58, 81.505, 316.630



58, 81.505, 6.630

Sweetspot

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



58, 81.505, 136.631



79, 35.319, 142.566



64, 65.044, 102.223



41, 23.878, 142.300



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



58, 81.505, 136.631



73, 103.104, 135.998



59, 58.864, 151.276



34, 6.247, 143.797



52, 78.761, 135.988



4, 9.688, 144.320

Inverse Universe

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



39, 79.175, 327.923



50, 99.524, 328.028



36, 58.604, 355.629



32, 6.257, 324.779



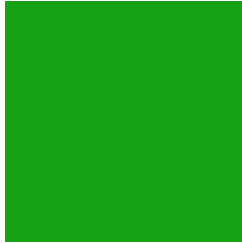
34, 76.036, 328.033



2, 9.683, 324.256

Previews

White Background



This preview shows how the CIELCh color 58, 81.505, 136.630 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, 81.505, 136.630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

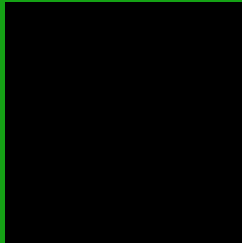
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 81.505, 136.630

Background



This preview shows how black text looks on a background with the CIELCh color 58, 81.505, 136.630.

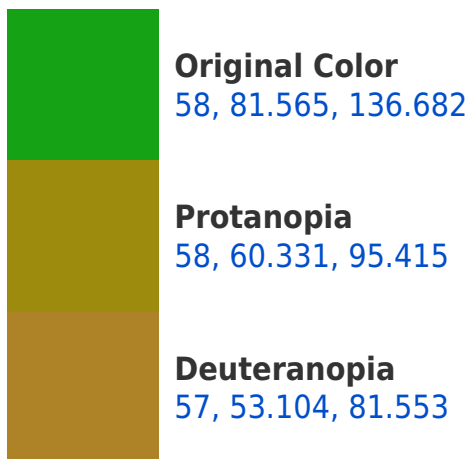


This preview shows how white text looks on a background with the CIELCh color 58, 81.505, 136.630.

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
58, 24.991, 214.771

Trichromacy



Original Color
58, 81.565, 136.682



Protanomaly
56, 64.818, 119.026



Deuteranomaly
55, 56.572, 114.765



Tritanomaly
57, 42.219, 160.407

Monochromacy



Original Color
58, 81.565, 136.682



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 36.234, 141.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 81.505, 136.630 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(21, 162, 21)` looks like.

```
.text, #text, p{  
    color:rgb(21, 162, 21)  
}
```

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(21, 162, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 162, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 81.505, 136.630 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(21, 162, 21) }
```

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

```
.border{ border-color:rgb(21, 162, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 162, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 162, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 162, 21);  
box-shadow:4px 4px 4px 4px rgb(21, 162,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 81.505, 136.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 162, 21) }
```

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

```
.background{ background-color: rgb(21, 162,  
21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor