

Converting Colors

CIELCh(58, 110.251, 148.939)

Have a look what the booklet for
CIELCh(58, 110.251, 148.939)
contains.

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Color

CIELCh(61, 87.780, 136.483)

Conversions

Conversions Part 1

Format	Color
Hex	01AB0A
RGB	1, 171, 10
RGB Percent	0%, 67%, 4%
CMY	0.9959, 0.3284, 0.9623
CMYK	0.99, 0.00, 0.94, 0.33
HSL	123°, 99%, 34%
HSV	123°, 99%, 67%
XYZ	14.6759, 29.2481, 5.1472
YIQ	101.8160, -49.6390, -86.1110

Conversions

Conversions Part 2

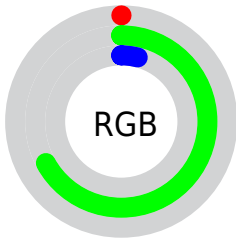
Format	Color
R_{YB}	1, 162, 171
Decimal	109322
CIE _{Lab}	61.00, -63.66, 60.44
CIE _{LCh}	61, 87.780, 136.483
Yxy	29.2481, 0.2991, 0.5960
Android (android.graphics.Color)	4278299402 (0xFF01AB0A)
YUV	101.8160, -45.2653, -88.4156
Hunter-Lab	54.0815, -46.2039, 32.2141

Details

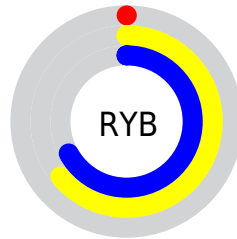
The CIELCh color **61, 87.780, 136.483** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **40, 82.356, 330.307**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 87.973, 136.506**, and **42, 67.364, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 87.924, 136.461**, and if you desaturate by 10%, it is **61, 84.636, 137.175**.

Distribution



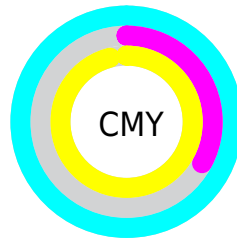
- Red (0%)
- Green (67%)
- Blue (4%)



- Red (0%)
- Yellow (64%)
- Blue (67%)



- Cyan (99%)
- Magenta (0%)
- Yellow (94%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 87.780, 136.483 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 61, 87.780, 136.483 by changing the saturation by 10% instead.

 61, 87.780,
136.483


 61, 87.780,
136.483


 100, 87.780,
136.483

 51, 87.780,
136.483

 81, 87.780,
136.483

 41, 87.780,
136.483

 91, 87.780,
136.483

 31, 87.780,
136.483

 21, 87.780,
136.483

 11, 87.780,
136.483

 1, 87.780, 136.483

 0, 87.780, 136.483

■ 61, 87.780,
136.483

■ 61, 87.780,
136.483

■ 61, 87.924,
136.461

■ 61, 84.636,
137.175

■ 61, 79.466,
138.211

■ 62, 72.426,
139.405

■ 63, 63.881,
140.628

■ 63, 54.211,
141.793

■ 64, 43.761,
142.849

■ 66, 32.826,
143.779

■ 67, 21.653,

144.586

■ 68, 10.433,
145.285

Harmonies

Complementary

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



61, 87.780, 136.483



40, 82.356, 330.307

Rectangle

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



61, 87.780, 136.483



61, 87.780, 186.483



61, 87.780, 316.483



61, 87.780, 6.483

Sweetspot

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



61, 87.779, 136.484



83, 41.357, 143.679



67, 71.918, 105.919



43, 28.393, 143.308



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



61, 87.779, 136.484



77, 106.969, 136.340



62, 62.244, 152.070



36, 6.358, 145.290



54, 79.789, 136.535



6, 13.473, 145.556

Inverse Universe

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



40, 82.356, 330.307



52, 99.965, 330.361



36, 62.528, 6.255



34, 6.369, 326.305



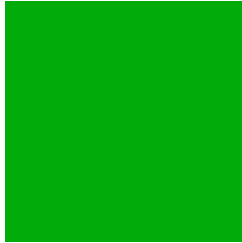
35, 74.999, 330.300



2, 13.179, 326.471

Previews

White Background



This preview shows how the CIELCh color 61, 87.780, 136.483 looks on a white background.

Color Contrast Check

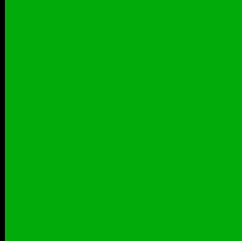
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 61, 87.780, 136.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

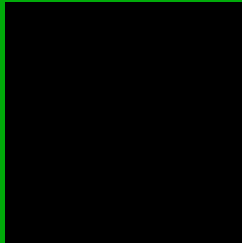
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

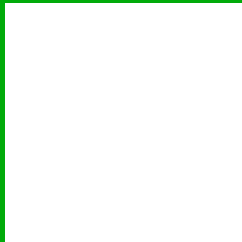
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 61, 87.780, 136.483

Background



This preview shows how black text looks on a background with the CIELCh color 61, 87.780, 136.483.



This preview shows how white text looks on a background with the CIELCh color 61, 87.780, 136.483.

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
61, 87.638, 136.507

Protanopia
61, 64.866, 95.376

Deuteranopia
61, 57.156, 82.178



Tritanopia
61, 26.561, 213.483

Trichromacy



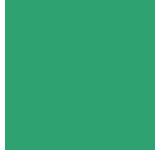
Original Color
61, 87.638, 136.507



Protanomaly
59, 70.891, 121.102



Deuteranomaly
58, 62.412, 117.449



Tritanomaly
60, 47.261, 159.066

Monochromacy



Original Color
61, 87.638, 136.507



Achromatopsia
43, 0.006, 296.813



Achromatomaly
48, 42.140, 141.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 87.780, 136.483 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(1, 171, 10)` looks like.

```
.text, #text, p{  
    color:rgb(1, 171, 10)  
}
```

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(1, 171, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 171, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 87.780, 136.483 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(1, 171, 10) }
```

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

```
.border{ border-color:rgb(1, 171, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 171, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 171, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 171, 10);  
box-shadow:4px 4px 4px 4px rgb(1, 171, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 87.780, 136.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 171, 10) }
```

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

```
.background{ background-color: rgb(1, 171,  
10) }
```

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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