

Converting Colors

CIELCh(61, 87.036, 134.298)

Have a look what the booklet for
CIELCh(61, 87.036, 134.298)
contains.

CIELCh(61, 86.560, 134.448)	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(61, 86.560, 134.448)

Conversions

Conversions Part 1

Format	Color
Hex	25AA01
RGB	37, 170, 1
RGB Percent	15%, 67%, 0%
CMY	0.8568, 0.3321, 0.9974
CMYK	0.79, 0.00, 1.00, 0.33
HSL	107°, 99%, 34%
HSV	107°, 100%, 67%
XYZ	15.1807, 29.2481, 4.8640
YIQ	110.9670, -25.0190, -80.7550

Conversions

Conversions Part 2

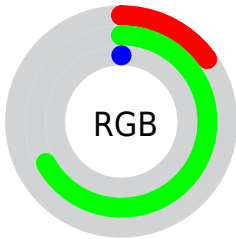
Format	Color
RYB	1, 170, 134
Decimal	2468353
CIELab	61.00, -60.61, 61.79
CIELCh	61, 86.560, 134.448
Yxy	29.2481, 0.3080, 0.5934
Android (android.graphics.Color)	4280658433 (0xFF25AA01)
YUV	110.9670, -54.2137, -64.8691
Hunter-Lab	54.0815, -44.5378, 32.5246

Details

The CIELCh color **61, 86.560, 134.448** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **34, 87.050, 320.366**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 86.708, 134.450**, and **42, 66.952, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 86.681, 134.454**, and if you desaturate by 10%, it is **61, 83.140, 134.176**.

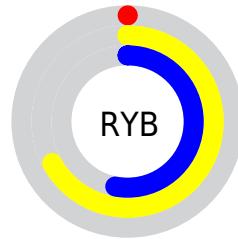
Distribution



Red (15%)

Green (67%)

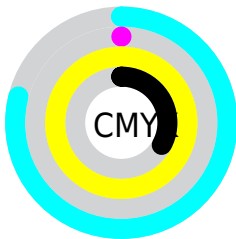
Blue (0%)



Red (0%)

Yellow (67%)

Blue (53%)

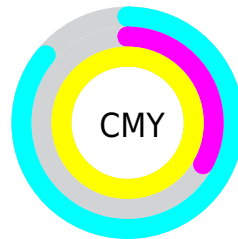


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (86%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 86.560, 134.448 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, 86.560, 134.448 by changing the saturation by 10% instead.

 61, 86.560,
134.448


 61, 86.560,
134.448

 100, 86.560,
134.448

 51, 86.560,
134.448


 81, 86.560,
134.448

 41, 86.560,
134.448

 91, 86.560,
134.448

 31, 86.560,
134.448

 21, 86.560,
134.448

 11, 86.560,
134.448

 1, 86.560, 134.448

 0, 86.560, 134.448

■ 61, 86.560,
134.448

■ 61, 86.560,
134.448

■ 61, 86.681,
134.454

■ 61, 83.140,
134.176

■ 62, 77.889,
134.174

■ 62, 70.766,
134.504

■ 63, 62.207,
135.043

■ 64, 52.646,
135.679

■ 65, 42.438,
136.333

■ 66, 31.852,
136.959

■ 67, 21.089,

137.534

■ 68, 10.294,
138.055

Harmonies

Complementary

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



61, 86.560, 134.448



34, 87.050, 320.366

Rectangle

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



61, 86.560, 134.448



61, 86.560, 184.448



61, 86.560, 314.448



61, 86.560, 4.448

Sweetspot

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



61, 86.559, 134.449



83, 40.011, 136.902



58, 62.645, 86.585



44, 27.483, 136.649



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, 86.559, 134.449



78, 105.824, 134.629



61, 78.869, 140.838



35, 6.003, 138.071



53, 78.026, 134.337



5, 11.028, 139.350

Inverse Universe

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



34, 87.050, 320.366



45, 106.229, 320.219



38, 69.000, 343.488



33, 6.038, 318.851



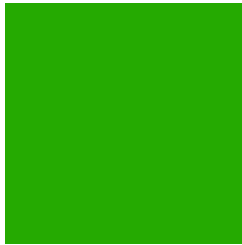
29, 78.550, 320.434



1, 10.739, 316.526

Previews

White Background



This preview shows how the CIELCh color 61, 86.560, 134.448 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 61, 86.560, 134.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

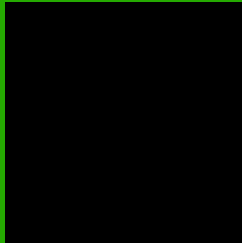
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 86.560, 134.448

Background



This preview shows how black text looks on a background with the CIELCh color 61, 86.560, 134.448.

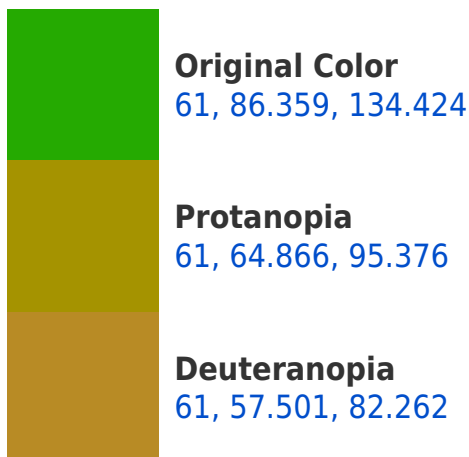


This preview shows how white text looks on a background with the CIELCh color 61, 86.560, 134.448.

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
61, 24.924, 214.711

Trichromacy



Original Color
61, 86.359, 134.424



Protanomaly
59, 69.187, 116.617



Deuteranomaly
59, 61.760, 111.762



Tritanomaly
60, 45.479, 154.959

Monochromacy



Original Color
61, 86.359, 134.424



Achromatopsia
47, 0.006, 296.813



Achromatomaly
51, 40.627, 135.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 86.560, 134.448 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(37, 170, 1)` looks like.

```
.text, #text, p{  
    color:rgb(37, 170, 1)  
}
```

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(37, 170, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 170, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 86.560, 134.448 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(37, 170, 1) }
```

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

```
.border{ border-color:rgb(37, 170, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 170, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 170, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 170, 1);  
box-shadow:4px 4px 4px 4px rgb(37, 170, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 86.560, 134.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 170, 1) }
```

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

```
.background{ background-color: rgb(37, 170,  
1) }
```

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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