

Converting Colors

CIELCh(60, 91.437, 139.151)

Have a look what the booklet for
CIELCh(60, 91.437, 139.151)
contains.

CIELCh(61, 87.721, 136.332)	3
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Color

CIELCh(61, 87.721, 136.332)

Conversions

Conversions Part 1

Format	Color
Hex	05AB09
RGB	5, 171, 9
RGB Percent	2%, 67%, 4%
CMY	0.9802, 0.3287, 0.9658
CMYK	0.97, 0.00, 0.95, 0.33
HSL	121°, 94%, 35%
HSV	121°, 97%, 67%
XYZ	14.7091, 29.2481, 5.1202
YIQ	102.8980, -46.9340, -85.5740

Conversions

Conversions Part 2

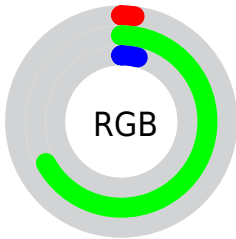
Format	Color
RYB	5, 167, 171
Decimal	371465
CIELab	61.00, -63.45, 60.57
CIELCh	61, 87.721, 136.332
Yxy	29.2481, 0.2997, 0.5960
Android (android.graphics.Color)	4278561545 (0xFF05AB09)
YUV	102.8980, -46.2917, -85.8565
Hunter-Lab	54.0815, -46.0943, 32.2438

Details

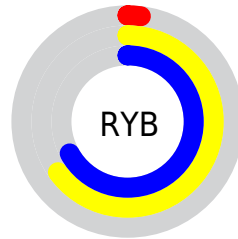
The CIELCh color **61, 87.721, 136.332** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **41, 83.711, 329.080**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 87.830, 136.381**, and **42, 67.364, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 88.430, 136.213**, and if you desaturate by 10%, it is **61, 84.482, 136.960**.

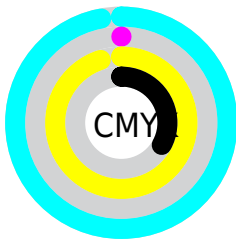
Distribution



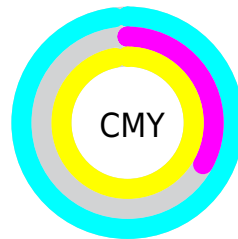
- Red (2%)
- Green (67%)
- Blue (4%)



- Red (2%)
- Yellow (65%)
- Blue (67%)



- Cyan (97%)
- Magenta (0%)
- Yellow (95%)
- Black (33%)





- Cyan (98%)
- Magenta (33%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 87.721, 136.332 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, 87.721, 136.332 by changing the saturation by 10% instead.


 61, 87.721,
136.332


 61, 87.721,
136.332


 100, 87.721,
136.332


 51, 87.721,
136.332


 81, 87.721,
136.332

 41, 87.721,
136.332

 91, 87.721,
136.332

 31, 87.721,
136.332

 21, 87.721,
136.332

 11, 87.721,
136.332

 1, 87.721, 136.332

 0, 87.721, 136.332

■ 61, 87.721,
136.332

■ 61, 87.721,
136.332

■ 61, 88.430,
136.213

■ 61, 84.482,
136.960

■ 61, 79.060,
137.908

■ 62, 71.696,
139.030

■ 63, 62.801,
140.196

■ 63, 52.789,
141.310

■ 65, 42.024,
142.323

■ 66, 30.813,
143.215

■ 67, 19.400,

143.987

■ 69, 7.977, 144.661

Harmonies

Complementary

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



61, 87.721, 136.332



41, 83.711, 329.080

Rectangle

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



61, 87.721, 136.332



61, 87.721, 186.332



61, 87.721, 316.332



61, 87.721, 6.332

Sweetspot

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



61, 87.720, 136.333



83, 40.765, 143.007



68, 71.290, 103.917



44, 28.151, 142.639



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, 87.720, 136.333



77, 107.442, 136.159



62, 63.579, 150.757



36, 6.482, 144.515



54, 80.351, 136.246



6, 13.686, 144.926

Inverse Universe

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



41, 83.711, 329.080



52, 102.220, 329.141



37, 62.296, 2.162



34, 6.492, 325.519



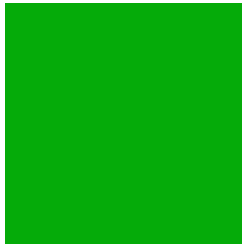
35, 76.644, 329.116



2, 13.552, 325.320

Previews

White Background



This preview shows how the CIELCh color 61, 87.721, 136.332 looks on a white background.

Color Contrast Check

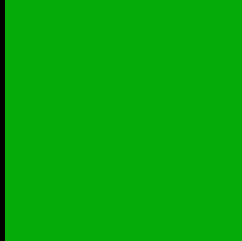
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.721, 136.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

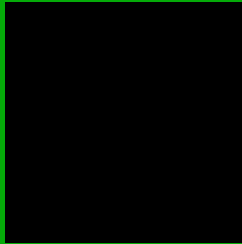
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 87.721, 136.332

Background



This preview shows how black text looks on a background with the CIELCh color 61, 87.721, 136.332.

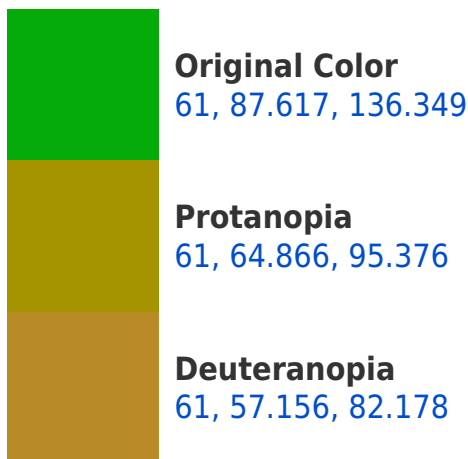



This preview shows how white text looks on a background with the CIELCh color 61, 87.721, 136.332.

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, 26.561, 213.483

Trichromacy



Original Color
61, 87.617, 136.349



Protanomaly
59, 70.610, 120.502



Deuteranomaly
58, 62.455, 116.613



Tritanomaly
60, 46.987, 158.851

Monochromacy



Original Color
61, 87.617, 136.349



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 41.898, 141.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 87.721, 136.332 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(5, 171, 9)` looks like.

```
.text, #text, p{  
    color:rgb(5, 171, 9)  
}
```

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(5, 171, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 171, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 87.721, 136.332 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(5, 171, 9) }
```

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

```
.border{ border-color:rgb(5, 171, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 171, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 171, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 171, 9); box-shadow:4px  
4px 4px 4px rgb(5, 171, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 87.721, 136.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 171, 9) }
```

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

```
.background{ background-color: rgb(5, 171,  
9) }
```

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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