

Converting Colors

CIELCh(60, 89.176, 140.154)

Have a look what the booklet for
CIELCh(60, 89.176, 140.154)
contains.

CIELCh(61, 85.528, 137.379)	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, 85.528, 137.379)

Conversions

Conversions Part 1

Format	Color
Hex	05AB18
RGB	5, 171, 24
RGB Percent	2%, 67%, 9%
CMY	0.9823, 0.3291, 0.9076
CMYK	0.97, 0.00, 0.86, 0.33
HSL	127°, 95%, 34%
HSV	127°, 97%, 67%
XYZ	14.7943, 29.2481, 5.7061
YIQ	104.6080, -51.7490, -80.9090

Conversions

Conversions Part 2

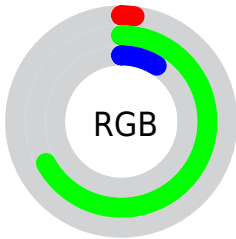
Format	Color
RYB	5, 154, 171
Decimal	371480
CIELab	61.00, -62.94, 57.91
CIELCh	61, 85.528, 137.379
Yxy	29.2481, 0.2974, 0.5879
Android (android.graphics.Color)	4278561560 (0xFF05AB18)
YUV	104.6080, -39.7397, -87.3562
Hunter-Lab	54.0815, -45.8129, 31.6015

Details

The CIELCh color **61, 85.528, 137.379** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **40, 78.012, 333.205**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 85.452, 137.424**, and **42, 67.364, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 86.390, 137.157**, and if you desaturate by 10%, it is **61, 81.316, 138.556**.

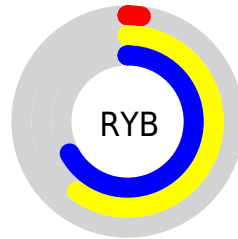
Distribution



Red (2%)

Green (67%)

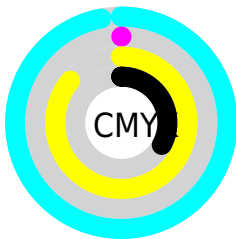
Blue (9%)



Red (2%)

Yellow (60%)

Blue (67%)

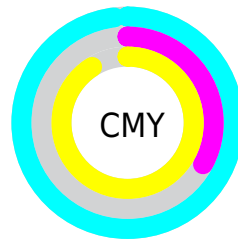


Cyan (97%)

Magenta (0%)

Yellow (86%)

Black (33%)



Cyan (98%)


Magenta (33%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 85.528, 137.379 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, 85.528, 137.379 by changing the saturation by 10% instead.


 61, 85.528,
137.379


 61, 85.528,
137.379


 100, 85.528,
137.379


 51, 85.528,
137.379


 81, 85.528,
137.379

 41, 85.528,
137.379

 91, 85.528,
137.379

 31, 85.528,
137.379

 21, 85.528,
137.379

 11, 85.528,
137.379

 1, 85.528, 137.379

 0, 85.528, 137.379

■ 61, 85.528,
137.379

■ 61, 85.528,
137.379

■ 61, 86.390,
137.157

■ 61, 81.316,
138.556

■ 62, 75.399,
139.909

■ 62, 67.990,
141.290

■ 63, 59.383,
142.608

■ 64, 49.871,
143.810

■ 65, 39.731,
144.875

■ 66, 29.209,
145.802

■ 67, 18.511,

146.603

■ 69, 7.802, 147.305

Harmonies

Complementary

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



61, 85.528, 137.379



40, 78.012, 333.205

Rectangle

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



61, 85.528, 137.379



61, 85.528, 187.379



61, 85.528, 317.379



61, 85.528, 7.379

Sweetspot

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



61, 85.528, 137.380



83, 38.238, 145.613



67, 71.781, 108.867



44, 26.411, 145.233



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, 85.528, 137.380



77, 105.388, 136.955



62, 58.104, 155.473



36, 6.079, 147.173



54, 78.355, 137.285



6, 12.994, 147.072

Inverse Universe

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



40, 78.012, 333.205



51, 95.006, 333.449



36, 62.221, 10.130



34, 6.093, 328.220



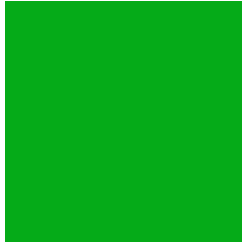
34, 71.377, 333.288



2, 12.381, 329.232

Previews

White Background



This preview shows how the CIELCh color 61, 85.528, 137.379 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, 85.528, 137.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

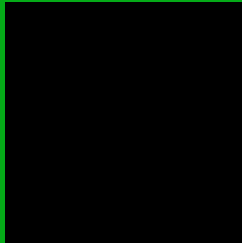
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 85.528, 137.379

Background



This preview shows how black text looks on a background with the CIELCh color 61, 85.528, 137.379.



This preview shows how white text looks on a background with the CIELCh color 61, 85.528, 137.379.

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, 85.397, 137.408

Protanopia

61, 62.369, 95.365

Deuteranopia

61, 55.147, 82.151



Tritanopia
61, 26.561, 213.483

Trichromacy



Original Color
61, 85.397, 137.408



Protanomaly
59, 68.166, 121.350



Deuteranomaly
58, 59.882, 117.844



Tritanomaly
60, 45.180, 161.558

Monochromacy



Original Color
61, 85.397, 137.408



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 38.961, 144.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 85.528, 137.379 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(5, 171, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 171, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 85.528, 137.379 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, 24) }
```

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

```
.border{ border-color:rgb(5, 171, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 171, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 171, 24);  
box-shadow:4px 4px 4px 4px rgb(5, 171, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 85.528, 137.379 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, 24) }
```

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

```
.background{ background-color: rgb(5, 171,  
24) }
```

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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