

Converting Colors

CIELCh(61, 87.701, 135.438)

Have a look what the booklet for
CIELCh(61, 87.701, 135.438)
contains.

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Color

CIELCh(61, 87.762, 135.462)

Conversions

Conversions Part 1

Format	Color
Hex	15AB02
RGB	21, 171, 2
RGB Percent	8%, 67%, 1%
CMY	0.9187, 0.3298, 0.9930
CMYK	0.88, 0.00, 0.99, 0.33
HSL	113°, 98%, 34%
HSV	113°, 99%, 67%
XYZ	14.8572, 29.2481, 4.9134
YIQ	106.8840, -35.1510, -84.3590

Conversions

Conversions Part 2

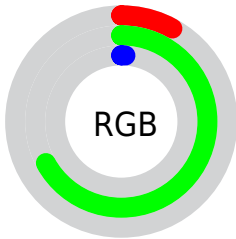
Format	Color
R_{YB}	2, 171, 152
Decimal	1420034
CIE _{Lab}	61.00, -62.56, 61.55
CIE _{LCh}	61, 87.762, 135.462
Yxy	29.2481, 0.3031, 0.5967
Android (android.graphics.Color)	4279610114 (0xFF15AB02)
YUV	106.8840, -51.7078, -75.3203
Hunter-Lab	54.0815, -45.6055, 32.4705

Details

The CIELCh color **61, 87.762, 135.462** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **37, 86.047, 323.951**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 87.761, 135.448**, and **42, 67.364, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **61, 88.047, 135.438**, and if you desaturate by 10%, it is **61, 84.591, 135.549**.

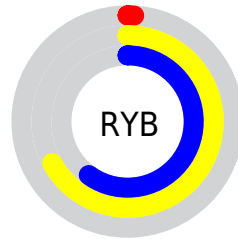
Distribution



Red (8%)

Green (67%)

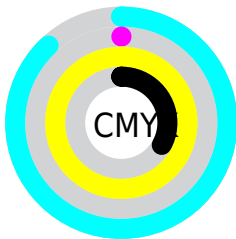
Blue (1%)



Red (1%)

Yellow (67%)

Blue (60%)

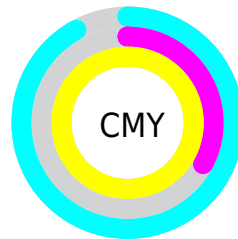


Cyan (88%)

Magenta (0%)

Yellow (99%)

Black (33%)



Cyan (92%)

Magenta (33%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 87.762, 135.462 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, 87.762, 135.462 by changing the saturation by 10% instead.

 61, 87.762,
135.462


 61, 87.762,
135.462

 100, 87.762,
135.462

 51, 87.762,
135.462

 81, 87.762,
135.462

 41, 87.762,
135.462

 91, 87.762,
135.462

 31, 87.762,
135.462

 21, 87.762,
135.462

 11, 87.762,
135.462

 1, 87.762, 135.462

 0, 87.762, 135.462

■ 61, 87.762,
135.462

■ 61, 87.762,
135.462

■ 61, 88.047,
135.438

■ 61, 84.591,
135.549

■ 62, 79.404,
135.900

■ 62, 72.232,
136.534

■ 63, 63.518,
137.323

■ 64, 53.710,
138.156

■ 65, 43.184,
138.963

■ 66, 32.234,
139.704

■ 67, 21.088,

140.365

■ 69, 9.915, 140.950

Harmonies

Complementary

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



61, 87.762, 135.462



37, 86.047, 323.951

Rectangle

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



61, 87.762, 135.462



61, 87.762, 185.462



61, 87.762, 315.462



61, 87.762, 5.462

Sweetspot

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



61, 87.761, 135.463



83, 41.286, 139.592



62, 66.037, 94.868



44, 28.353, 139.293



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, 87.761, 135.463



78, 107.123, 135.545



61, 72.959, 144.339



36, 6.346, 140.930



54, 80.094, 135.371



6, 13.458, 141.958

Inverse Universe

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



37, 86.047, 323.951



48, 104.866, 323.854



37, 65.225, 351.022



34, 6.369, 321.795



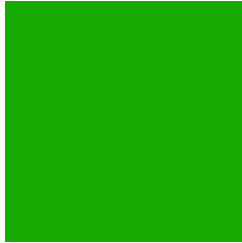
32, 78.565, 323.971



2, 13.185, 320.027

Previews

White Background



This preview shows how the CIELCh color 61, 87.762, 135.462 looks on a white background.

Color Contrast Check

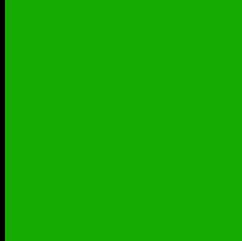
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.762, 135.462 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, 87.762, 135.462

Background



This preview shows how black text looks on a background with the CIELCh color 61, 87.762, 135.462.

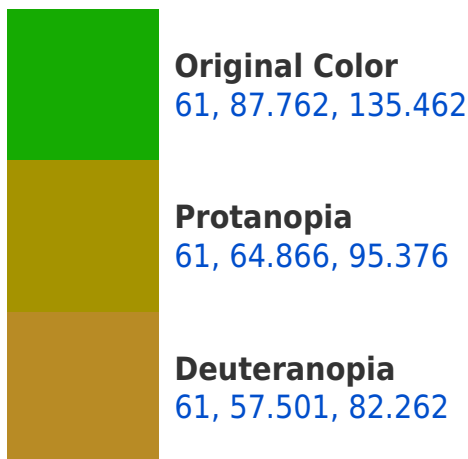


This preview shows how white text looks on a background with the CIELCh color 61, 87.762, 135.462.

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, 26.170, 213.761

Trichromacy



Original Color
61, 87.762, 135.462



Protanomaly
59, 70.084, 118.546



Deuteranomaly
59, 62.615, 114.084



Tritanomaly
60, 47.144, 156.527

Monochromacy



Original Color
61, 87.762, 135.462



Achromatopsia
45, 0.006, 296.813



Achromatomaly
49, 41.300, 138.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 87.762, 135.462 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, 171, 2)` looks like.

```
.text, #text, p{  
    color:rgb(21, 171, 2)  
}
```

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, 171, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 171, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 87.762, 135.462 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, 171, 2) }
```

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

```
.border{ border-color:rgb(21, 171, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 171, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 171, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 171, 2);  
box-shadow:4px 4px 4px 4px rgb(21, 171, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 61, 87.762, 135.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 171, 2) }
```

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

```
.background{ background-color: rgb(21, 171,  
2) }
```

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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