

Converting Colors

CIELCh(61, 87.727, 116.996)

Have a look what the booklet for
CIELCh(61, 87.727, 116.996)
contains.

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Color

CIELCh(61, 73.773, 121.213)

Conversions

Conversions Part 1

Format	Color
Hex	6DA300
RGB	109, 163, 0
RGB Percent	43%, 64%, 0%
CMY	0.5744, 0.3626, 1.0000
CMYK	0.33, 0.00, 1.00, 0.36
HSL	80°, 100%, 32%
HSV	80°, 100%, 64%
XYZ	19.2570, 29.2481, 4.6016
YIQ	128.2720, 20.1390, -62.1410

Conversions

Conversions Part 2

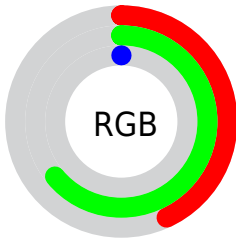
Format	Color
RYB	0, 163, 54
Decimal	7185152
CIELab	61.00, -38.23, 63.09
CIELCh	61, 73.773, 121.213
Yxy	29.2481, 0.3626, 0.5507
Android (android.graphics.Color)	4285375232 (0xFF6DA300)
YUV	128.2720, -63.2381, -16.9015
Hunter-Lab	54.0815, -31.0836, 32.8124

Details

The CIELCh color **61, 73.773, 121.213** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **22, 92.078, 308.865**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 73.833, 121.212**, and **41, 59.078, 128.015** is the 20% darker color. If you saturate the color by 10%, you get **61, 73.642, 121.258**, and if you desaturate by 10%, it is **61, 70.678, 120.417**.

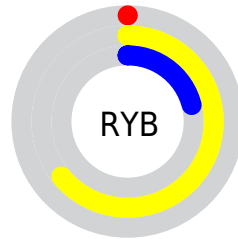
Distribution



Red (43%)

Green (64%)

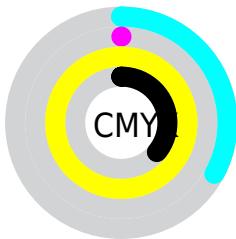
Blue (0%)



Red (0%)

Yellow (64%)

Blue (21%)

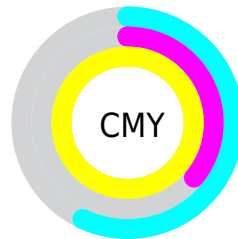


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (57%)


Magenta (36%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 73.773, 121.213 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, 73.773, 121.213 by changing the saturation by 10% instead.


 61, 73.773,
121.213


 61, 73.773,
121.213


 100, 73.773,
121.213


 51, 73.773,
121.213


 81, 73.773,
121.213

 41, 73.773,
121.213

 91, 73.773,
121.213

 31, 73.773,
121.213

 21, 73.773,
121.213

 11, 73.773,
121.213

 1, 73.773, 121.213

 0, 73.773, 121.213

■ 61, 73.773,
121.213

■ 61, 73.773,
121.213

■ 61, 73.642,
121.258

■ 61, 70.678,
120.417

■ 62, 66.290,
119.918

■ 62, 60.303,
119.816

■ 63, 53.097,
120.001

■ 63, 45.051,
120.372

■ 64, 36.462,
120.850

■ 64, 27.541,
121.384

■ 65, 18.429,

121.936

■ 66, 9.224, 122.487

Harmonies

Complementary

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



61, 73.773, 121.213



22, 92.078, 308.865

Rectangle

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



61, 73.773, 121.213



61, 73.773, 171.213



61, 73.773, 301.213



61, 73.773, 351.213

Sweetspot

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



61, 73.642, 121.258



82, 34.134, 121.353



38, 66.664, 48.589



43, 23.417, 121.135



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



61, 73.642, 121.258



78, 89.793, 121.543



58, 84.077, 134.756



34, 5.235, 122.527



55, 67.783, 121.116



5, 8.253, 125.135

Inverse Universe

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



22, 92.078, 308.865



30, 112.308, 308.684



33, 83.865, 321.356



32, 5.327, 303.516



19, 84.737, 308.957



1, 8.137, 301.839

Previews

White Background



This preview shows how the CIE LCh color 61, 73.773, 121.213 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, 73.773, 121.213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

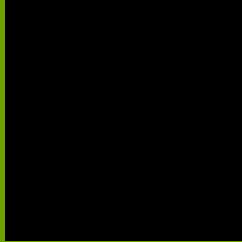
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 73.773, 121.213

Background



This preview shows how black text looks on a background with the CIELCh color 61, 73.773, 121.213.



This preview shows how white text looks on a background with the CIELCh color 61, 73.773, 121.213.

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, 73.773, 121.213

Protanopia
61, 64.866, 95.376

Deuteranopia
61, 59.636, 82.300



Tritanopia
61, 11.273, 235.764

Trichromacy



Original Color
61, 73.773, 121.213

Protanomaly
61, 66.355, 106.424

Deuteranomaly
60, 61.392, 99.298

Tritanomaly
60, 31.933, 134.360

Monochromacy



Original Color
61, 73.773, 121.213

Achromatopsia
54, 0.007, 296.813

Achromatomaly
56, 34.476, 120.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 73.773, 121.213 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(109, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 163, 0)  
}
```

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(109, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 163, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 73.773, 121.213 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(109, 163, 0) }
```

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

```
.border{ border-color:rgb(109, 163, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 163,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 73.773, 121.213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 163, 0) }
```

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

```
.background{ background-color: rgb(109,  
163, 0) }
```

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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