

Converting Colors

CIELCh(61, 70.494, 116.613)

Have a look what the booklet for
CIELCh(61, 70.494, 116.613)
contains.

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Color

CIELCh(61, 70.537, 116.663)

Conversions

Conversions Part 1

Format	Color
Hex	7AA002
RGB	122, 160, 2
RGB Percent	48%, 63%, 1%
CMY	0.5219, 0.3729, 0.9928
CMYK	0.24, 0.00, 0.99, 0.37
HSL	74°, 98%, 32%
HSV	74°, 99%, 63%
XYZ	20.5802, 29.2481, 4.6130
YIQ	130.6260, 28.0700, -57.1940

Conversions

Conversions Part 2

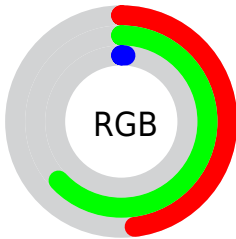
Format	Color
R_{YB}	2, 160, 40
Decimal	8036354
CIE _{Lab}	61.00, -31.65, 63.04
CIE _{LCh}	61, 70.537, 116.663
Yxy	29.2481, 0.3780, 0.5372
Android (android.graphics.Color)	4286226434 (0xFF7AA002)
YUV	130.6260, -63.4126, -7.5650
Hunter-Lab	54.0815, -26.7163, 32.7998

Details

The CIELCh color **61, 70.537, 116.663** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 91.739, 307.673**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 70.556, 116.816**, and **41, 55.370, 122.715** is the 20% darker color. If you saturate the color by 10%, you get **61, 70.837, 116.738**, and if you desaturate by 10%, it is **61, 67.775, 116.027**.

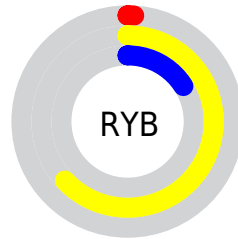
Distribution



Red (48%)

Green (63%)

Blue (1%)



Red (1%)

Yellow (63%)

Blue (16%)

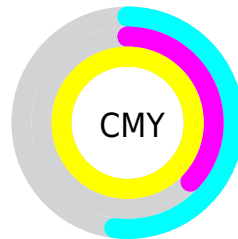


Cyan (24%)

Magenta (0%)

Yellow (99%)

Black (37%)



Cyan (52%)


Magenta (37%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 70.537, 116.663 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, 70.537, 116.663 by changing the saturation by 10% instead.

 61, 70.537,
116.663

 61, 70.537,
116.663


 100, 70.537,
116.663


 51, 70.537,
116.663


 81, 70.537,
116.663

 41, 70.537,
116.663

 91, 70.537,
116.663

 31, 70.537,
116.663

 21, 70.537,
116.663

 11, 70.537,
116.663

 1, 70.537, 116.663

 0, 70.537, 116.663

■ 61, 70.537,
116.663

■ 61, 70.537,
116.663

■ 61, 70.837,
116.738

■ 61, 67.775,
116.027

■ 62, 63.485,
115.733

■ 62, 57.633,
115.786

■ 62, 50.607,
116.089

■ 63, 42.777,
116.557

■ 63, 34.428,
117.122

■ 64, 25.758,
117.737

■ 65, 16.902,

118.370

■ 65, 7.949, 119.002

Harmonies

Complementary

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



61, 70.537, 116.663



20, 91.739, 307.673

Rectangle

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



61, 70.537, 116.663



61, 70.537, 166.663



61, 70.537, 296.663



61, 70.537, 346.663

Sweetspot

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



61, 70.537, 116.665



81, 33.283, 117.628



36, 67.909, 44.799



43, 22.599, 117.384



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



61, 70.537, 116.665



78, 86.557, 116.979



58, 81.475, 133.561



33, 5.030, 118.978



55, 65.163, 116.618



4, 6.636, 120.860

Inverse Universe

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



20, 91.739, 307.673



28, 112.968, 307.572



30, 83.572, 318.583



31, 5.128, 300.138



17, 84.930, 307.799



1, 6.598, 299.069

Previews

White Background



This preview shows how the CIELCh color 61, 70.537, 116.663 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, 70.537, 116.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

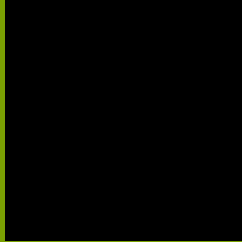
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 70.537, 116.663

Background



This preview shows how black text looks on a background with the CIELCh color 61, 70.537, 116.663.



This preview shows how white text looks on a background with the CIELCh color 61, 70.537, 116.663.

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, 70.537, 116.663

Protanopia
61, 64.936, 94.965

Deuteranopia
61, 60.229, 82.433



Tritanopia
61, 7.715, 252.735

Trichromacy



Original Color
61, 70.537, 116.663

Protanomaly
61, 65.733, 103.673

Deuteranomaly
60, 61.556, 96.655

Tritanomaly
60, 29.695, 125.038

Monochromacy



Original Color
61, 70.537, 116.663

Achromatopsia
55, 0.007, 296.813

Achromatomaly
57, 32.798, 117.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 70.537, 116.663 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(122, 160, 2)` looks like.

```
.text, #text, p{  
    color:rgb(122, 160, 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(122, 160, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 160, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 70.537, 116.663 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(122, 160, 2) }
```

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

```
.border{ border-color:rgb(122, 160, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 160, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 160, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 160, 2);  
box-shadow:4px 4px 4px 4px rgb(122, 160,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 70.537, 116.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 160, 2) }
```

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

```
.background{ background-color: rgb(122,  
160, 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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