

Converting Colors

CIELCh(62, 75.609, 122.628)

Have a look what the booklet for
CIELCh(62, 75.609, 122.628)
contains.

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Color

CIELCh(62, 75.504, 122.587)

Conversions

Conversions Part 1

Format	Color
Hex	6AA600
RGB	106, 166, 0
RGB Percent	42%, 65%, 0%
CMY	0.5837, 0.3484, 0.9986
CMYK	0.36, 0.00, 1.00, 0.35
HSL	82°, 100%, 33%
HSV	82°, 100%, 65%
XYZ	19.6284, 30.4025, 4.8436
YIQ	129.1360, 17.5260, -64.3460

Conversions

Conversions Part 2

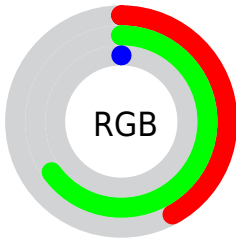
Format	Color
RYB	0, 166, 60
Decimal	6989312
CIELab	62.00, -40.66, 63.62
CIELCh	62, 75.504, 122.587
Yxy	30.4025, 0.3577, 0.5540
Android (android.graphics.Color)	4285179392 (0xFF6AA600)
YUV	129.1360, -63.6640, -20.2903
Hunter-Lab	55.1385, -32.9491, 33.3887

Details

The CIELCh color **62, 75.504, 122.587** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **23, 92.975, 309.303**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 75.198, 122.379**, and **42, 60.652, 129.367** is the 20% darker color. If you saturate the color by 10%, you get **62, 75.568, 122.607**, and if you desaturate by 10%, it is **62, 72.425, 121.698**.

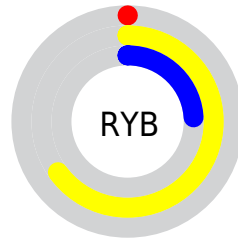
Distribution



Red (42%)

Green (65%)

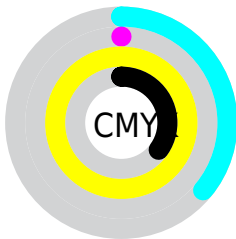
Blue (0%)



Red (0%)

Yellow (65%)

Blue (24%)

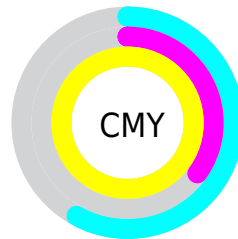


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (58%)


Magenta (35%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 75.504, 122.587 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 62, 75.504, 122.587 by changing the saturation by 10% instead.


 62, 75.504,
122.587


 62, 75.504,
122.587


 100, 75.504,
122.587


 52, 75.504,
122.587


 82, 75.504,
122.587

 42, 75.504,
122.587

 92, 75.504,
122.587

 32, 75.504,
122.587

 22, 75.504,
122.587

 12, 75.504,
122.587

 2, 75.504, 122.587

 0, 75.504, 122.587

■ 62, 75.504,
122.587

■ 62, 75.504,
122.587

■ 62, 75.568,
122.607

■ 62, 72.425,
121.698

■ 63, 67.858,
121.171

■ 63, 61.667,
121.049

■ 64, 54.243,
121.217

■ 64, 45.971,
121.573

■ 65, 37.153,
122.036

■ 66, 28.003,
122.551

■ 66, 18.664,

123.085

■ 67, 9.237, 123.615

Harmonies

Complementary

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



62, 75.504, 122.587



23, 92.975, 309.303

Rectangle

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



62, 75.504, 122.587



62, 75.504, 172.587



62, 75.504, 302.587



62, 75.504, 352.587

Sweetspot

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



62, 75.504, 122.588



84, 35.002, 122.511



40, 66.431, 50.358



44, 24.015, 122.298



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



62, 75.504, 122.588



79, 92.313, 122.898



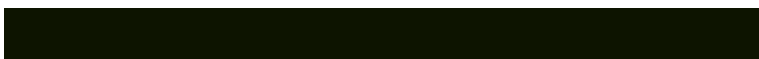
59, 85.794, 135.114



35, 5.398, 123.641



56, 69.301, 122.456



5, 10.021, 126.934

Inverse Universe

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



23, 92.975, 309.303



31, 113.722, 309.116



35, 84.821, 322.546



33, 5.489, 304.587



20, 85.361, 309.401



1, 9.802, 302.229

Previews

White Background



This preview shows how the CIELCh color 62, 75.504, 122.587 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 62, 75.504, 122.587 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 ✓ Pass

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

CIELCh 62, 75.504, 122.587

Background



This preview shows how black text looks on a background with the CIELCh color 62, 75.504, 122.587.

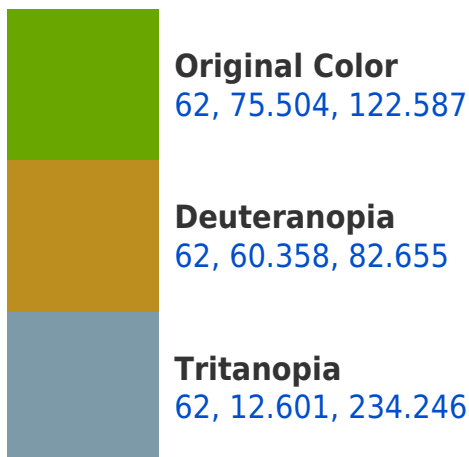


This preview shows how white text looks on a background with the CIELCh color 62, 75.504, 122.587.

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



Trichromacy



Original Color
62, 75.504, 122.587

Deuteranomaly
61, 62.371, 100.215

Tritanomaly
61, 33.080, 136.220

Monochromacy



Original Color
62, 75.504, 122.587

Achromatopsia
54, 0.007, 296.813

Achromatomaly
56, 35.154, 121.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 75.504, 122.587 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(106, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 166, 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(106, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 166, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 75.504, 122.587 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(106, 166, 0) }
```

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

```
.border{ border-color:rgb(106, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 166,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 75.504, 122.587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 166, 0) }
```

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

```
.background{ background-color: rgb(106,  
166, 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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