

Converting Colors

CIELCh(62, 60.609, 122.659)

Have a look what the booklet for
CIELCh(62, 60.609, 122.659)
contains.

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Color

CIELCh(62, 60.609, 122.659)

Conversions

Conversions Part 1

Format	Color
Hex	76A333
RGB	118, 163, 51
RGB Percent	46%, 64%, 20%
CMY	0.5362, 0.3597, 0.7989
CMYK	0.28, 0.00, 0.69, 0.36
HSL	84°, 52%, 42%
HSV	84°, 69%, 64%
XYZ	21.2571, 30.4025, 7.9113
YIQ	136.7770, 9.1320, -44.3720

Conversions

Conversions Part 2

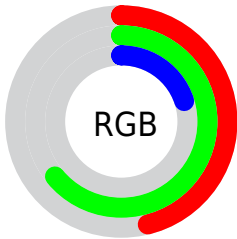
Format	Color
RYB	51, 163, 96
Decimal	7775027
CIELab	62.00, -32.71, 51.03
CIELCh	62, 60.609, 122.659
Yxy	30.4025, 0.3568, 0.5104
Android (android.graphics.Color)	4285965107 (0xFF76A333)
YUV	136.7770, -42.2881, -16.4674
Hunter-Lab	55.1385, -27.6766, 30.0900

Details

The CIELCh color **62, 60.609, 122.659** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **33, 69.185, 309.716**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 60.372, 122.737**, and **42, 57.098, 124.175** is the 20% darker color. If you saturate the color by 10%, you get **62, 67.003, 122.758**, and if you desaturate by 10%, it is **63, 53.059, 122.842**.

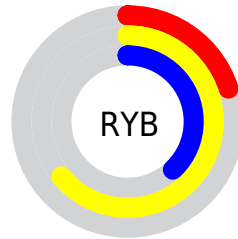
Distribution



Red (46%)

Green (64%)

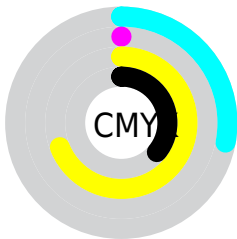
Blue (20%)



Red (20%)

Yellow (64%)

Blue (38%)

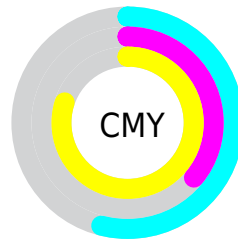


Cyan (28%)

Magenta (0%)

Yellow (69%)

Black (36%)



Cyan (54%)


Magenta (36%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 60.609, 122.659 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, 60.609, 122.659 by changing the saturation by 10% instead.


 62, 60.609,
122.659


 62, 60.609,
122.659


 100, 60.609,
122.659


 52, 60.609,
122.659


 82, 60.609,
122.659

 42, 60.609,
122.659

 92, 60.609,
122.659

 32, 60.609,
122.659

 22, 60.609,
122.659

 12, 60.609,
122.659

 2, 60.609, 122.659

 0, 60.609, 122.659

■ 62, 60.609,
122.659

■ 62, 60.609,
122.659

■ 62, 67.003,
122.758

■ 63, 53.059,
122.842

■ 61, 71.848,
123.252

■ 63, 44.722,
123.198

■ 61, 75.129,
124.146

■ 64, 35.882,
123.651

■ 61, 75.563,
124.268

■ 65, 26.741,
124.150

■ 65, 17.435,
124.660

■ 66, 8.058, 125.164

■ 67, 1.324, 305.577

■ 68, 10.664,
306.072

■ 69, 19.930,
306.490

Harmonies

Complementary

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



62, 60.609, 122.659



33, 69.185, 309.716

Rectangle

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



62, 60.609, 122.659



62, 60.609, 172.659



62, 60.609, 302.659



62, 60.609, 352.659

Sweetspot

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



62, 60.610, 122.660



82, 24.309, 124.518



48, 43.376, 57.543



44, 16.575, 124.384



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



62, 60.610, 122.660



78, 84.415, 122.945



60, 69.570, 136.794



34, 5.301, 125.131



54, 69.299, 124.109



4, 8.361, 127.573

Inverse Universe

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



33, 69.185, 309.716



37, 99.432, 310.234



41, 69.444, 324.497



32, 5.386, 306.016



20, 83.608, 310.103



1, 8.218, 304.180

Previews

White Background



This preview shows how the CIELCh color 62, 60.609, 122.659 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, 60.609, 122.659 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, 60.609, 122.659

Background



This preview shows how black text looks on a background with the CIELCh color 62, 60.609, 122.659.



This preview shows how white text looks on a background with the CIELCh color 62, 60.609, 122.659.

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](#).

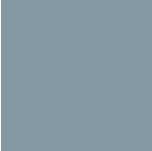
Dichromacy



Original Color
62, 60.609, 122.659

Protanopia
62, 53.677, 95.784

Deuteranopia
62, 49.786, 80.737



Tritanopia
62, 9.702, 243.077

Trichromacy



Original Color
62, 60.609, 122.659

Protanomaly
62, 54.709, 106.976

Deuteranomaly
61, 49.932, 98.768

Tritanomaly
62, 21.770, 139.995

Monochromacy



Original Color
62, 60.609, 122.659

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 24.015, 124.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 60.609, 122.659 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(118, 163, 51)` looks like.

```
.text, #text, p{  
    color:rgb(118, 163, 51)  
}
```

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(118, 163, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 163, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 60.609, 122.659 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(118, 163, 51) }
```

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

```
.border{ border-color:rgb(118, 163, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 163, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 163, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 163, 51);  
box-shadow:4px 4px 4px 4px rgb(118, 163,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 60.609, 122.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 163, 51) }
```

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

```
.background{ background-color: rgb(118,  
163, 51) }
```

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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