

Converting Colors

CIELCh(60, 57.238, 119.206)

Have a look what the booklet for
CIELCh(60, 57.238, 119.206)
contains.

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Color

CIELCh(60, 57.242, 119.210)

Conversions

Conversions Part 1

Format	Color
Hex	7A9C31
RGB	122, 156, 49
RGB Percent	48%, 61%, 19%
CMY	0.5217, 0.3883, 0.8080
CMYK	0.22, 0.00, 0.69, 0.39
HSL	79°, 52%, 40%
HSV	79°, 69%, 61%
XYZ	20.4587, 28.1233, 7.2523
YIQ	133.6360, 14.0830, -40.4850

Conversions

Conversions Part 2

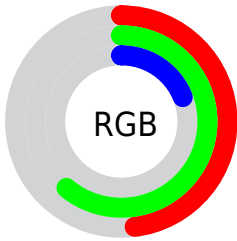
Format	Color
R_{YB}	49, 156, 83
Decimal	8035377
CIE Lab	60.00, -27.93, 49.96
CIE LCh	60, 57.242, 119.210
Yxy	28.1233, 0.3664, 0.5037
Android (android.graphics.Color)	4286225457 (0xFF7A9C31)
YUV	133.6360, -41.7255, -10.2048
Hunter-Lab	53.0314, -23.9426, 29.0138

Details

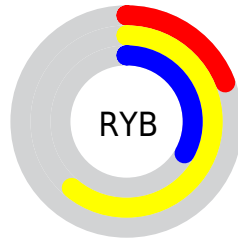
The CIELCh color $60, 57.242, 119.210$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $30, 66.892, 307.588$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 57.533, 119.278$, and $40, 53.654, 121.084$ is the 20% darker color. If you saturate the color by 10%, you get $60, 63.215, 119.245$, and if you desaturate by 10%, it is $60, 50.155, 119.443$.

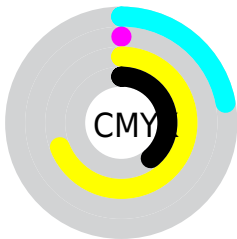
Distribution



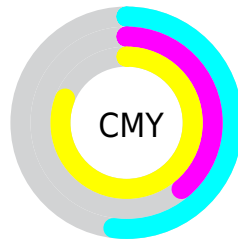
- Red (48%)
- Green (61%)
- Blue (19%)



- Red (19%)
- Yellow (61%)
- Blue (33%)



- Cyan (22%)
- Magenta (0%)
- Yellow (69%)
- Black (39%)





- Cyan (52%)
- Magenta (39%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 57.242, 119.210 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 60, 57.242, 119.210 by changing the saturation by 10% instead.


 60, 57.242,
119.210


 60, 57.242,
119.210


 100, 57.242,
119.210


 50, 57.242,
119.210


 80, 57.242,
119.210

 40, 57.242,
119.210

 90, 57.242,
119.210

 30, 57.242,
119.210

 20, 57.242,
119.210

 10, 57.242,
119.210

 0, 57.242, 119.210

 60, 57.242,

 60, 57.242,

119.210

■ 60, 63.215,
119.245

■ 59, 67.696,
119.651

■ 59, 70.698,
120.428

■ 59, 71.098,
120.534

119.210

■ 60, 50.155,
119.443

■ 61, 42.308,
119.844

■ 62, 33.973,
120.342

■ 62, 25.340,
120.889

■ 63, 16.537,
121.451

■ 64, 7.653, 122.011

■ 64, 1.252, 302.505

■ 65, 10.136,
303.047

■ 66, 18.968,
303.529

Harmonies

Complementary

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



60, 57.242, 119.210



30, 66.892, 307.588

Rectangle

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



60, 57.242, 119.210



60, 57.242, 169.210



60, 57.242, 299.210



60, 57.242, 349.210

Sweetspot

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



60, 57.243, 119.212



80, 23.216, 121.293



43, 42.809, 50.209



42, 15.664, 121.150



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



60, 57.243, 119.212



76, 80.137, 119.396



57, 65.701, 135.185



33, 5.086, 121.974



54, 66.606, 120.422



4, 6.713, 123.769

Inverse Universe

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



30, 66.892, 307.588



34, 97.580, 308.494



38, 66.662, 321.852



31, 5.177, 302.983



18, 83.856, 308.761



1, 6.661, 301.853

Previews

White Background



This preview shows how the CIELCh color 60, 57.242, 119.210 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 60, 57.242, 119.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

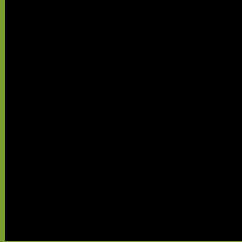
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 57.242, 119.210

Background



This preview shows how black text looks on a background with the CIELCh color 60, 57.242, 119.210.



This preview shows how white text looks on a background with the CIELCh color 60, 57.242, 119.210.

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](#).

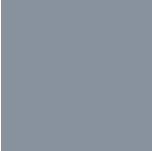
Dichromacy



Original Color
60, 57.242, 119.210

Protanopia
60, 52.043, 95.465

Deuteranopia
60, 48.882, 80.639



Tritanopia
60, 7.335, 257.310

Trichromacy



Original Color
60, 57.242, 119.210

Protanomaly
60, 52.579, 104.659

Deuteranomaly
60, 48.946, 96.393

Tritanomaly
60, 19.714, 132.395

Monochromacy



Original Color
60, 57.242, 119.210

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 22.509, 120.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 57.242, 119.210 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, 156, 49)` looks like.

```
.text, #text, p{  
    color:rgb(122, 156, 49)  
}
```

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, 156, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 156, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 57.242, 119.210 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, 156, 49) }
```

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

```
.border{ border-color:rgb(122, 156, 49) }
```

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

Here you see how a box with a 4 pixel rgb(122, 156, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 156, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 156, 49);  
box-shadow:4px 4px 4px 4px rgb(122, 156,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 57.242, 119.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 156, 49) }
```

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

```
.background{ background-color: rgb(122,  
156, 49) }
```

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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