

Converting Colors

CIELCh(58, 53.026, 119.589)

Have a look what the booklet for
CIELCh(58, 53.026, 119.589)
contains.

CIELCh(58, 53.025, 119.792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(58, 53.025, 119.792)

Conversions

Conversions Part 1

Format	Color
Hex	769635
RGB	118, 150, 53
RGB Percent	46%, 59%, 21%
CMY	0.5369, 0.4114, 0.7918
CMYK	0.21, 0.00, 0.65, 0.41
HSL	80°, 48%, 40%
HSV	80°, 65%, 59%
XYZ	19.0520, 25.9610, 7.3867
YIQ	129.3740, 12.0650, -36.9510

Conversions

Conversions Part 2

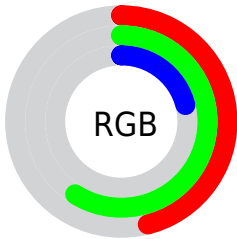
Format	Color
RYB	53, 150, 85
Decimal	7771701
CIELab	58.00, -26.35, 46.02
CIELCh	58, 53.025, 119.792
Yxy	25.9610, 0.3636, 0.4954
Android (android.graphics.Color)	4285961781 (0xFF769635)
YUV	129.3740, -37.6524, -9.9750
Hunter-Lab	50.9519, -22.4210, 27.0709

Details

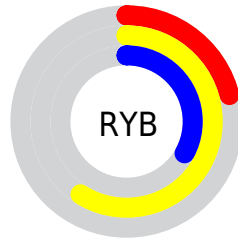
The CIELCh color **58, 53.025, 119.792** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **31, 61.053, 307.566**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 53.022, 119.872**, and **38, 51.298, 120.555** is the 20% darker color. If you saturate the color by 10%, you get **58, 59.343, 119.713**, and if you desaturate by 10%, it is **58, 45.785, 120.096**.

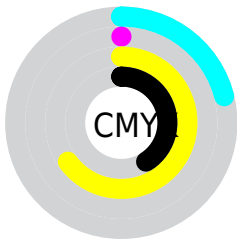
Distribution



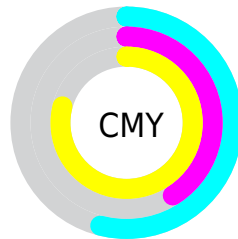
- Red (46%)
- Green (59%)
- Blue (21%)



- Red (21%)
- Yellow (59%)
- Blue (33%)



- Cyan (21%)
- Magenta (0%)
- Yellow (65%)
- Black (41%)





- Cyan (54%)
- Magenta (41%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 53.025, 119.792 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 58, 53.025, 119.792 by changing the saturation by 10% instead.


 58, 53.025,
119.792


 58, 53.025,
119.792


 100, 53.025,
119.792


 48, 53.025,
119.792


 78, 53.025,
119.792

 38, 53.025,
119.792

 88, 53.025,
119.792

 28, 53.025,
119.792

 98, 53.025,
119.792

 18, 53.025,
119.792

 8, 53.025, 119.792

 0, 53.025, 119.792

■ 58, 53.025,
119.792

■ 58, 53.025,
119.792

■ 58, 59.343,
119.713

■ 58, 45.785,
120.096

■ 57, 64.370,
119.961

■ 59, 37.932,
120.535

■ 57, 67.817,
120.631

■ 60, 29.694,
121.048

■ 57, 69.363,
121.047

■ 60, 21.225,
121.593

■ 61, 12.634,
122.145

■ 62, 3.991, 122.691

■ 63, 4.651, 303.184

■ 63, 13.258,
303.677

■ 64, 21.802,
304.133

Harmonies

Complementary

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



58, 53.025, 119.792



31, 61.053, 307.566

Rectangle

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



58, 53.025, 119.792



58, 53.025, 169.792



58, 53.025, 299.792



58, 53.025, 349.792

Sweetspot

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



58, 53.026, 119.794



77, 20.416, 121.883



43, 38.578, 50.304



41, 14.153, 121.736



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 53.026, 119.794



73, 75.656, 119.789



56, 60.692, 135.429



31, 4.822, 122.442



52, 65.086, 120.932



2, 4.229, 122.920

Inverse Universe

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



31, 61.053, 307.566



34, 90.715, 308.552



37, 61.653, 321.787



29, 4.906, 303.419



17, 81.455, 308.970



0, 4.230, 302.919

Previews

White Background



This preview shows how the CIELCh color 58, 53.025, 119.792 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 58, 53.025, 119.792 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 58, 53.025, 119.792

Background



This preview shows how black text looks on a background with the CIELCh color 58, 53.025, 119.792.



This preview shows how white text looks on a background with the CIELCh color 58, 53.025, 119.792.

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](#).

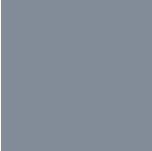
Dichromacy



Original Color
58, 53.025, 119.792

Protanopia
58, 48.205, 95.598

Deuteranopia
58, 45.086, 80.026



Tritanopia
58, 7.686, 262.166

Trichromacy



Original Color
58, 53.025, 119.792

Protanomaly
58, 48.807, 104.981

Deuteranomaly
58, 44.897, 96.571

Tritanomaly
58, 17.463, 133.069

Monochromacy



Original Color
58, 53.025, 119.792

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 21.022, 121.648

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 53.025, 119.792 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, 150, 53)` looks like.

```
.text, #text, p{  
    color:rgb(118, 150, 53)  
}
```

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, 150, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 150, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 53.025, 119.792 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, 150, 53) }
```

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

```
.border{ border-color:rgb(118, 150, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 150, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 150, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 150, 53);  
box-shadow:4px 4px 4px 4px rgb(118, 150,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 53.025, 119.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 150, 53) }
```

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

```
.background{ background-color: rgb(118,  
150, 53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor