

Converting Colors

CIELCh(59, 64.068, 129.862)

Have a look what the booklet for
CIELCh(59, 64.068, 129.862)
contains.

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Color

CIELCh(59, 63.718, 129.682)

Conversions

Conversions Part 1

Format	Color
Hex	5B9E2F
RGB	91, 158, 47
RGB Percent	36%, 62%, 18%
CMY	0.6417, 0.3790, 0.8143
CMYK	0.42, 0.00, 0.70, 0.38
HSL	96°, 54%, 40%
HSV	96°, 70%, 62%
XYZ	17.1593, 27.0277, 7.0401
YIQ	125.3130, -4.3010, -48.7250

Conversions

Conversions Part 2

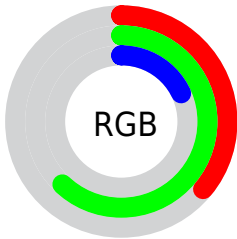
Format	Color
R_{YB}	47, 158, 114
Decimal	6004271
CIE _{Lab}	59.00, -40.69, 49.04
CIE _{LCh}	59, 63.718, 129.682
Yxy	27.0277, 0.3350, 0.5276
Android (android.graphics.Color)	4284194351 (0xFF5B9E2F)
YUV	125.3130, -38.6083, -30.0925
Hunter-Lab	51.9882, -32.0634, 28.3629

Details

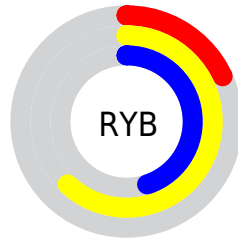
The CIELCh color **59, 63.718, 129.682** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **34, 68.449, 315.355**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 63.760, 129.604**, and **39, 59.701, 132.048** is the 20% darker color. If you saturate the color by 10%, you get **58, 70.261, 129.724**, and if you desaturate by 10%, it is **60, 55.969, 129.914**.

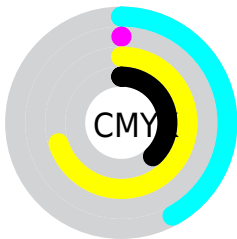
Distribution



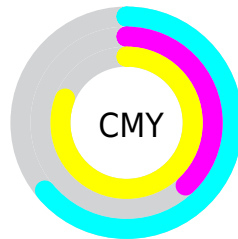
- Red (36%)
- Green (62%)
- Blue (18%)



- Red (18%)
- Yellow (62%)
- Blue (45%)



- Cyan (42%)
- Magenta (0%)
- Yellow (70%)
- Black (38%)





- Cyan (64%)
- Magenta (38%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 63.718, 129.682 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 59, 63.718, 129.682 by changing the saturation by 10% instead.


 59, 63.718,
129.682


 59, 63.718,
129.682


 100, 63.718,
129.682


 49, 63.718,
129.682

 79, 63.718,
129.682

 39, 63.718,
129.682

 89, 63.718,
129.682

 29, 63.718,
129.682

 99, 63.718,
129.682

 19, 63.718,
129.682

 9, 63.718, 129.682

 0, 63.718, 129.682

■ 59, 63.718,
129.682

■ 59, 63.718,
129.682

■ 58, 70.261,
129.724

■ 60, 55.969,
129.914

■ 58, 75.211,
130.158

■ 60, 47.392,
130.304

■ 58, 78.703,
130.880

■ 61, 38.285,
130.771

■ 62, 28.866,
131.261

■ 63, 19.292,
131.742

■ 64, 9.670, 132.199

■ 65, 0.080, 134.200

■ 66, 9.424, 312.960

■ 68, 18.800,
313.300

Harmonies

Complementary

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



59, 63.718, 129.682



34, 68.449, 315.355

Rectangle

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



59, 63.718, 129.682



59, 63.718, 179.682



59, 63.718, 309.682



59, 63.718, 359.682

Sweetspot

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



59, 63.718, 129.683



80, 25.036, 131.680



51, 43.866, 75.872



42, 17.079, 131.556



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



59, 63.718, 129.683



74, 89.176, 129.909



58, 66.554, 140.599



33, 5.409, 132.237



52, 72.856, 130.744



4, 7.112, 133.280

Inverse Universe

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



34, 68.449, 315.355



40, 96.610, 315.279



40, 64.807, 331.177



31, 5.466, 312.967



24, 79.128, 314.731



1, 7.023, 311.557

Previews

White Background



This preview shows how the CIELCh color 59, 63.718, 129.682 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 59, 63.718, 129.682 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 59, 63.718, 129.682

Background



This preview shows how black text looks on a background with the CIELCh color 59, 63.718, 129.682.



This preview shows how white text looks on a background with the CIELCh color 59, 63.718, 129.682.

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
59, 63.718, 129.682

Protanopia
59, 52.343, 95.896

Deuteranopia
59, 47.462, 80.491



Tritanopia
59, 14.867, 225.739

Trichromacy



Original Color
59, 63.718, 129.682

Protanomaly
58, 53.780, 110.846

Deuteranomaly
58, 47.943, 103.448

Tritanomaly
59, 26.665, 152.756

Monochromacy



Original Color
59, 63.718, 129.682

Achromatopsia
53, 0.007, 296.813

Achromatomaly
55, 25.517, 131.500

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 63.718, 129.682 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(91, 158, 47)` looks like.

```
.text, #text, p{  
    color:rgb(91, 158, 47)  
}
```

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(91, 158, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 158, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 63.718, 129.682 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(91, 158, 47) }
```

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

```
.border{ border-color:rgb(91, 158, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 158, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 158, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 158, 47);  
box-shadow:4px 4px 4px 4px rgb(91, 158,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 63.718, 129.682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 158, 47) }
```

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

```
.background{ background-color: rgb(91, 158,  
47) }
```

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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