

Converting Colors

CIELCh(51, 59.602, 127.015)

Have a look what the booklet for
CIELCh(51, 59.602, 127.015)
contains.

CIELCh(51, 59.602, 127.015)	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(51, 59.602, 127.015)

Conversions

Conversions Part 1

Format	Color
Hex	50871D
RGB	80, 135, 29
RGB Percent	31%, 53%, 11%
CMY	0.6845, 0.4688, 0.8843
CMYK	0.41, 0.00, 0.78, 0.47
HSL	91°, 64%, 32%
HSV	91°, 78%, 53%
XYZ	12.3008, 19.2686, 4.2656
YIQ	106.4710, 1.2460, -44.6260

Conversions

Conversions Part 2

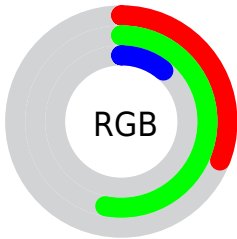
Format	Color
R_{YB}	29, 135, 84
Decimal	5277469
CIE Lab	51.00, -35.88, 47.59
CIE LCh	51, 59.602, 127.015
Yxy	19.2686, 0.3433, 0.5377
Android (android.graphics.Color)	4283467549 (0xFF50871D)
YUV	106.4710, -38.1932, -23.2151
Hunter-Lab	43.8960, -26.7978, 24.9656

Details

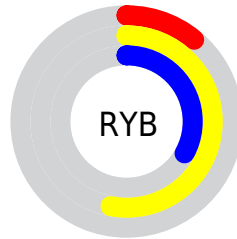
The CIELCh color **51, 59.602, 127.015** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **25, 66.346, 313.053**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 59.657, 127.033**, and **31, 51.273, 132.190** is the 20% darker color. If you saturate the color by 10%, you get **51, 64.273, 127.410**, and if you desaturate by 10%, it is **51, 53.668, 126.987**.

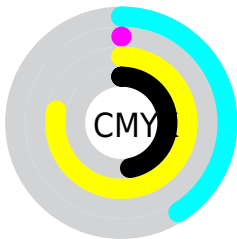
Distribution



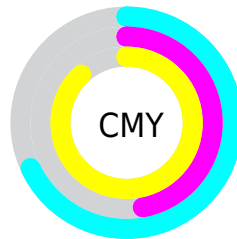
- Red (31%)
- Green (53%)
- Blue (11%)



- Red (11%)
- Yellow (53%)
- Blue (33%)



- Cyan (41%)
- Magenta (0%)
- Yellow (78%)
- Black (47%)





- Cyan (68%)
- Magenta (47%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 59.602, 127.015 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 51, 59.602, 127.015 by changing the saturation by 10% instead.


 51, 59.602,
127.015


 51, 59.602,
127.015


 100, 59.602,
127.015


 41, 59.602,
127.015


 71, 59.602,
127.015

 31, 59.602,
127.015

 81, 59.602,
127.015

 21, 59.602,
127.015

 91, 59.602,
127.015

 11, 59.602,
127.015

 1, 59.602, 127.015

 0, 59.602, 127.015

■ 51, 59.602,
127.015

■ 51, 59.602,
127.015

■ 51, 64.273,
127.410

■ 51, 53.668,
126.987

■ 50, 67.708,
128.133

■ 52, 46.804,
127.207

■ 50, 68.304,
128.243

■ 53, 39.312,
127.573

■ 53, 31.423,
128.014

■ 54, 23.300,
128.482

■ 55, 15.060,
128.949

■ 56, 6.783, 129.401

■ 57, 1.472, 309.739

Harmonies

Complementary

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



51, 59.602, 127.015



25, 66.346, 313.053

Rectangle

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



51, 59.602, 127.015



51, 59.602, 177.015



51, 59.602, 307.015



51, 59.602, 357.015

Sweetspot

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



51, 59.602, 127.016



69, 23.534, 128.704



41, 42.468, 67.133



36, 16.408, 128.554



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 59.602, 127.016



64, 81.039, 128.036



49, 66.575, 137.839



29, 4.721, 129.359



49, 67.239, 128.209



1, 2.193, 129.731

Inverse Universe

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



25, 66.346, 313.053



29, 91.525, 312.680



34, 64.882, 328.473



27, 4.780, 310.107



20, 76.260, 312.651



0, 2.193, 309.729

Previews

White Background



This preview shows how the CIELCh color 51, 59.602, 127.015 looks on a white background.

Color Contrast Check

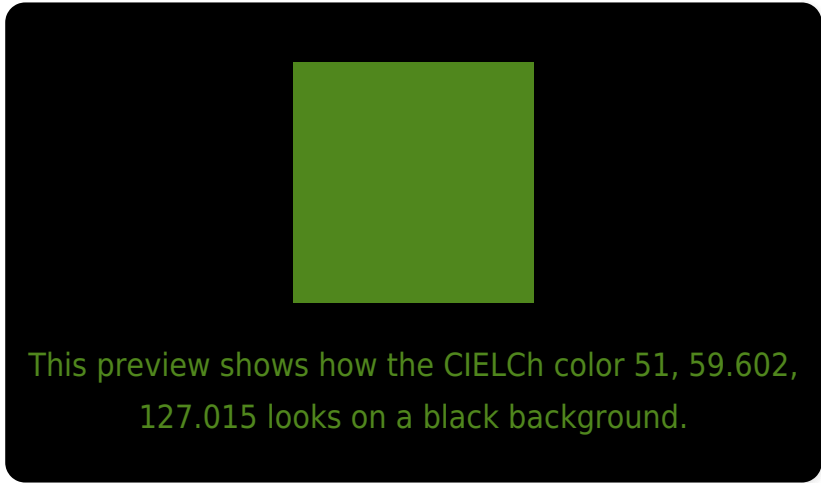
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

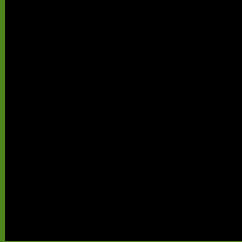
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 59.602, 127.015

Background



This preview shows how black text looks on a background with the CIELCh color 51, 59.602, 127.015.



This preview shows how white text looks on a background with the CIELCh color 51, 59.602, 127.015.

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
51, 59.602, 127.015

Protanopia
51, 50.172, 95.345

Deuteranopia
51, 45.885, 82.111



Tritanopia
51, 12.379, 226.704

Trichromacy



Original Color
51, 59.602, 127.015

Protanomaly
50, 51.427, 108.866

Deuteranomaly
50, 46.241, 102.328

Tritanomaly
50, 24.445, 147.655

Monochromacy



Original Color
51, 59.602, 127.015

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 23.799, 128.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 59.602, 127.015 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(80, 135, 29)` looks like.

```
.text, #text, p{  
    color:rgb(80, 135, 29)  
}
```

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(80, 135, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 135, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 59.602, 127.015 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(80, 135, 29) }
```

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

```
.border{ border-color:rgb(80, 135, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 135, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 135, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 135, 29);  
box-shadow:4px 4px 4px 4px rgb(80, 135,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 59.602, 127.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 135, 29) }
```

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

```
.background{ background-color: rgb(80, 135,  
29) }
```

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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