

Converting Colors

CIELCh(51, 87.880, 119.759)

Have a look what the booklet for
CIELCh(51, 87.880, 119.759)
contains.

CIELCh(51, 68.522, 127.163)	3
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Color

CIELCh(51, 68.522, 127.163)

Conversions

Conversions Part 1

Format	Color
Hex	468900
RGB	70, 137, 0
RGB Percent	27%, 54%, 0%
CMY	0.7247, 0.4618, 1.0000
CMYK	0.49, 0.00, 1.00, 0.46
HSL	89°, 100%, 27%
HSV	89°, 100%, 54%
XYZ	11.5140, 19.2686, 3.0757
YIQ	101.3490, 4.0450, -56.8110

Conversions

Conversions Part 2

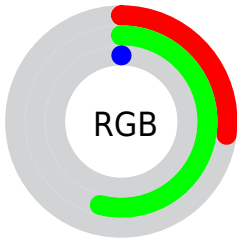
Format	Color
RYB	0, 137, 67
Decimal	4622592
CIELab	51.00, -41.39, 54.61
CIELCh	51, 68.522, 127.163
Yxy	19.2686, 0.3401, 0.5691
Android (android.graphics.Color)	4282812672 (0xFF468900)
YUV	101.3490, -49.9651, -27.4931
Hunter-Lab	43.8960, -29.9971, 26.5728

Details

The CIELCh color **51, 68.522, 127.163** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 78.718, 311.914**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 68.123, 127.456**, and **31, 54.019, 135.667** is the 20% darker color. If you saturate the color by 10%, you get **51, 68.313, 127.259**, and if you desaturate by 10%, it is **51, 65.006, 126.505**.

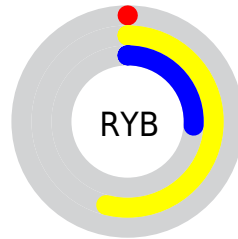
Distribution



Red (27%)

Green (54%)

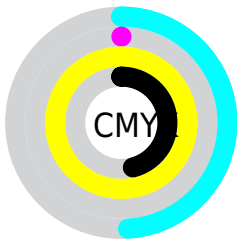
Blue (0%)



Red (0%)

Yellow (54%)

Blue (26%)

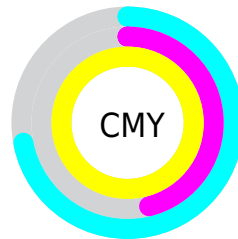


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (72%)


Magenta (46%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 68.522, 127.163 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, 68.522, 127.163 by changing the saturation by 10% instead.


 51, 68.522,
127.163


 51, 68.522,
127.163


 100, 68.522,
127.163


 41, 68.522,
127.163


 71, 68.522,
127.163

 31, 68.522,
127.163

 81, 68.522,
127.163

 21, 68.522,
127.163

 91, 68.522,
127.163

 11, 68.522,
127.163

 1, 68.522, 127.163

 0, 68.522, 127.163

■ 51, 68.522,
127.163

■ 51, 68.522,
127.163

■ 51, 68.313,
127.259

■ 51, 65.006,
126.505

■ 52, 60.620,
126.011

■ 52, 54.903,
125.908

■ 53, 48.185,
126.078

■ 53, 40.781,
126.416

■ 54, 32.939,
126.844

■ 55, 24.833,
127.311

■ 55, 16.587,

127.785

■ 56, 8.287, 128.247

Harmonies

Complementary

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



51, 68.522, 127.163



20, 78.718, 311.914

Rectangle

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



51, 68.522, 127.163



51, 68.522, 177.163



51, 68.522, 307.163



51, 68.522, 357.163

Sweetspot

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



51, 68.313, 127.259



70, 30.769, 127.280



37, 53.879, 60.236



36, 20.878, 127.109



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, 68.313, 127.259



65, 83.130, 127.619



49, 75.469, 135.917



29, 4.688, 128.285



49, 66.594, 127.205



1, 2.178, 128.667

Inverse Universe

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



20, 78.718, 311.914



27, 95.690, 311.668



32, 72.965, 327.590



27, 4.750, 309.056



19, 76.749, 311.951



0, 2.178, 308.665

Previews

White Background



This preview shows how the CIELCh color 51, 68.522, 127.163 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 CIE LCh color 51, 68.522, 127.163 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 51, 68.522, 127.163

Background



This preview shows how black text looks on a background with the CIELCh color 51, 68.522, 127.163.



This preview shows how white text looks on a background with the CIELCh color 51, 68.522, 127.163.

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, 68.232, 127.273

Protanopia
51, 56.336, 95.422

Deuteranopia
51, 50.323, 82.831



Tritanopia
51, 14.930, 221.274

Trichromacy



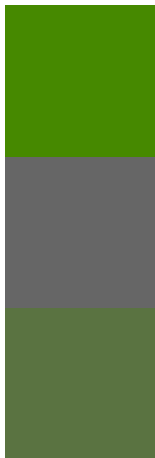
Original Color
51, 68.232, 127.273

Protanomaly
50, 58.338, 109.819

Deuteranomaly
50, 52.746, 103.831

Tritanomaly
50, 31.819, 145.196

Monochromacy



Original Color
51, 68.232, 127.273

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 30.996, 127.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 68.522, 127.163 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(70, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 137, 0)  
}
```

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(70, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 137, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 68.522, 127.163 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(70, 137, 0) }
```

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

```
.border{ border-color:rgb(70, 137, 0) }
```

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

Here you see how a box with a 4 pixel rgb(70, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 137, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 68.522, 127.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 137, 0) }
```

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

```
.background{ background-color: rgb(70, 137,  
0) }
```

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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