

Converting Colors

CIELCh(51, 67.444, 125.576)

Have a look what the booklet for
CIELCh(51, 67.444, 125.576)
contains.

CIELCh(51, 67.275, 125.712)	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, 67.275, 125.712)

Conversions

Conversions Part 1

Format	Color
Hex	4B8900
RGB	75, 137, 0
RGB Percent	29%, 54%, 0%
CMY	0.7040, 0.4646, 1.0000
CMYK	0.45, 0.00, 1.00, 0.46
HSL	87°, 100%, 27%
HSV	87°, 100%, 54%
XYZ	11.8131, 19.2686, 3.0730
YIQ	102.8440, 7.0250, -55.7510

Conversions

Conversions Part 2

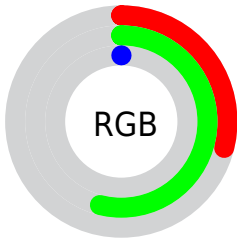
Format	Color
RYB	0, 137, 62
Decimal	4950272
CIELab	51.00, -39.27, 54.62
CIELCh	51, 67.275, 125.712
Yxy	19.2686, 0.3459, 0.5642
Android (android.graphics.Color)	4283140352 (0xFF4B8900)
YUV	102.8440, -50.7021, -24.4192
Hunter-Lab	43.8960, -28.7808, 26.5765

Details

The CIELCh color **51, 67.275, 125.712** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **19, 79.093, 311.036**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 67.344, 126.060**, and **31, 52.968, 134.182** is the 20% darker color. If you saturate the color by 10%, you get **51, 67.139, 125.773**, and if you desaturate by 10%, it is **51, 63.918, 125.006**.

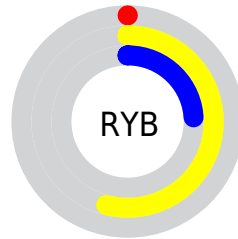
Distribution



Red (29%)

Green (54%)

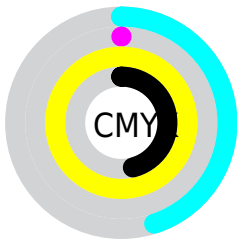
Blue (0%)



Red (0%)

Yellow (54%)

Blue (24%)

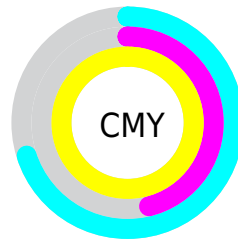


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (70%)


Magenta (46%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 67.275, 125.712 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, 67.275, 125.712 by changing the saturation by 10% instead.


 51, 67.275,
125.712


 51, 67.275,
125.712


 100, 67.275,
125.712


 41, 67.275,
125.712


 71, 67.275,
125.712

 31, 67.275,
125.712

 81, 67.275,
125.712

 21, 67.275,
125.712

 91, 67.275,
125.712

 11, 67.275,
125.712

 1, 67.275, 125.712

 0, 67.275, 125.712

■ 51, 67.275,
125.712

■ 51, 67.275,
125.712

■ 51, 67.139,
125.773

■ 51, 63.918,
125.006

■ 52, 59.638,
124.505

■ 52, 54.037,
124.394

■ 53, 47.442,
124.558

■ 53, 40.167,
124.894

■ 54, 32.454,
125.324

■ 55, 24.477,
125.798

■ 55, 16.357,

126.282

■ 56, 8.176, 126.758

Harmonies

Complementary

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



51, 67.275, 125.712



19, 79.093, 311.036

Rectangle

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



51, 67.275, 125.712



51, 67.275, 175.712



51, 67.275, 305.712



51, 67.275, 355.712

Sweetspot

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



51, 67.139, 125.773



70, 30.460, 125.766



35, 54.885, 56.447



36, 20.665, 125.591



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, 67.139, 125.773



65, 82.005, 126.141



49, 74.870, 135.619



29, 4.645, 126.797



50, 65.710, 125.727



1, 2.159, 127.196

Inverse Universe

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



19, 79.093, 311.036



27, 96.539, 310.788



30, 72.903, 325.690



27, 4.712, 307.606



18, 77.416, 311.067



0, 2.160, 307.194

Previews

White Background



This preview shows how the CIELCh color 51, 67.275, 125.712 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 51, 67.275, 125.712 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, 67.275, 125.712

Background



This preview shows how black text looks on a background with the CIELCh color 51, 67.275, 125.712.



This preview shows how white text looks on a background with the CIELCh color 51, 67.275, 125.712.

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, 67.434, 125.982

Protanopia

51, 56.409, 94.932

Deuteranopia

51, 50.667, 82.921



Tritanopia
51, 13.519, 224.003

Trichromacy



Original Color
51, 67.434, 125.982

Protanomaly
50, 58.156, 108.456

Deuteranomaly
50, 53.004, 102.761

Tritanomaly
50, 30.717, 142.710

Monochromacy



Original Color
51, 67.434, 125.982

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 30.003, 125.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 67.275, 125.712 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(75, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 137, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 67.275, 125.712 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(75, 137, 0) }
```

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

```
.border{ border-color:rgb(75, 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(75, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 137, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 67.275, 125.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 137, 0) }
```

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

```
.background{ background-color: rgb(75, 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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