

Converting Colors

CIELCh(52, 68.961, 126.778)

Have a look what the booklet for
CIELCh(52, 68.961, 126.778)
contains.

CIELCh(52, 68.944, 126.695)	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(52, 68.944, 126.695)

Conversions

Conversions Part 1

Format	Color
Hex	4A8C00
RGB	74, 140, 0
RGB Percent	29%, 55%, 0%
CMY	0.7106, 0.4518, 1.0000
CMYK	0.47, 0.00, 1.00, 0.45
HSL	88°, 100%, 27%
HSV	88°, 100%, 55%
XYZ	12.1546, 20.1443, 3.2375
YIQ	104.3060, 5.6040, -57.5320

Conversions

Conversions Part 2

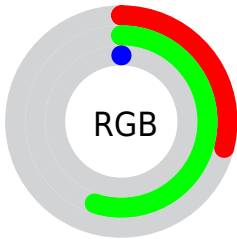
Format	Color
RYB	0, 140, 66
Decimal	4885504
CIELab	52.00, -41.20, 55.28
CIELCh	52, 68.944, 126.695
Yxy	20.1443, 0.3420, 0.5669
Android (android.graphics.Color)	4283075584 (0xFF4A8C00)
YUV	104.3060, -51.4229, -26.5784
Hunter-Lab	44.8824, -30.2046, 27.1410

Details

The CIELCh color **52, 68.944, 126.695** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 80.067, 311.537**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 69.052, 126.748**, and **32, 54.686, 134.819** is the 20% darker color. If you saturate the color by 10%, you get **52, 68.889, 126.721**, and if you desaturate by 10%, it is **52, 65.607, 125.940**.

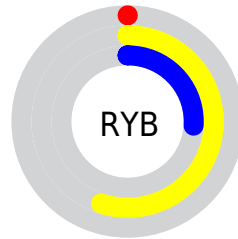
Distribution



Red (29%)

Green (55%)

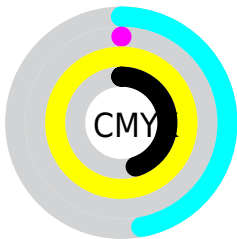
Blue (0%)



Red (0%)

Yellow (55%)

Blue (26%)

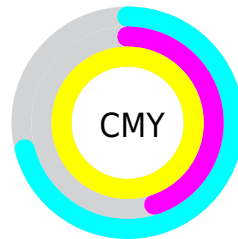


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (71%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 68.944, 126.695 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 52, 68.944, 126.695 by changing the saturation by 10% instead.


 52, 68.944,
126.695


 52, 68.944,
126.695


 100, 68.944,
126.695

 42, 68.944,
126.695


 72, 68.944,
126.695

 32, 68.944,
126.695

 82, 68.944,
126.695

 22, 68.944,
126.695

 92, 68.944,
126.695

 12, 68.944,
126.695

 2, 68.944, 126.695

 0, 68.944, 126.695

■ 52, 68.944,
126.695

■ 52, 68.944,
126.695

■ 52, 68.889,
126.721

■ 52, 65.607,
125.940

■ 53, 61.212,
125.434

■ 53, 55.461,
125.320

■ 54, 48.689,
125.484

■ 54, 41.217,
125.819

■ 55, 33.298,
126.248

■ 56, 25.108,
126.718

■ 56, 16.774,

127.195

■ 57, 8.382, 127.663

Harmonies

Complementary

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



52, 68.944, 126.695



20, 80.067, 311.537

Rectangle

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



52, 68.944, 126.695



52, 68.944, 176.695



52, 68.944, 306.695



52, 68.944, 356.695

Sweetspot

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



52, 68.889, 126.721



71, 31.000, 126.687



37, 55.014, 58.856



37, 21.281, 126.510



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



52, 68.889, 126.721



66, 83.576, 127.070



50, 76.386, 135.823



29, 4.671, 127.703



49, 66.246, 126.638



1, 2.171, 128.091

Inverse Universe

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



20, 80.067, 311.537



28, 97.052, 311.300



32, 74.011, 326.950



27, 4.735, 308.487



19, 77.012, 311.594



0, 2.171, 308.089

Previews

White Background



This preview shows how the CIELCh color 52, 68.944, 126.695 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 52, 68.944, 126.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

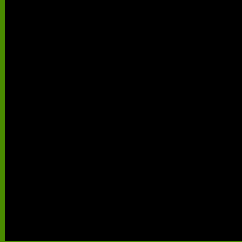
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 68.944, 126.695

Background



This preview shows how black text looks on a background with the CIELCh color 52, 68.944, 126.695.



This preview shows how white text looks on a background with the CIELCh color 52, 68.944, 126.695.

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

52, 68.944, 126.695

Protanopia

52, 57.312, 95.582

Deuteranopia

52, 51.256, 82.678



Tritanopia
52, 14.353, 222.246

Trichromacy



Original Color
52, 68.944, 126.695

Protanomaly
51, 59.308, 109.678

Deuteranomaly
51, 53.480, 103.296

Tritanomaly
51, 32.626, 144.074

Monochromacy



Original Color
52, 68.944, 126.695

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 31.274, 126.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 68.944, 126.695 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(74, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 140, 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(74, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 140, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 68.944, 126.695 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(74, 140, 0) }
```

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

```
.border{ border-color:rgb(74, 140, 0) }
```

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

Here you see how a box with a 4 pixel rgb(74, 140, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 140, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 68.944, 126.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 140, 0) }
```

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

```
.background{ background-color: rgb(74, 140,  
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](#).

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