

Converting Colors

CIELCh(52, 67.870, 125.230)

Have a look what the booklet for
CIELCh(52, 67.870, 125.230)
contains.

CIELCh(52, 67.699, 125.221)	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, 67.699, 125.221)

Conversions

Conversions Part 1

Format	Color
Hex	4F8B00
RGB	79, 139, 0
RGB Percent	31%, 55%, 0%
CMY	0.6900, 0.4547, 0.9996
CMYK	0.43, 0.00, 1.00, 0.45
HSL	86°, 100%, 27%
HSV	86°, 100%, 55%
XYZ	12.4691, 20.1443, 3.2337
YIQ	105.2140, 8.8590, -55.9490

Conversions

Conversions Part 2

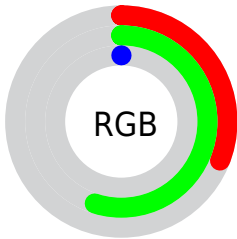
Format	Color
RYB	0, 139, 60
Decimal	5212928
CIELab	52.00, -39.04, 55.31
CIELCh	52, 67.699, 125.221
Yxy	20.1443, 0.3478, 0.5620
Android (android.graphics.Color)	4283403008 (0xFF4F8B00)
YUV	105.2140, -51.8705, -22.9897
Hunter-Lab	44.8824, -28.9541, 27.1460

Details

The CIELCh color **52, 67.699, 125.221** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **19, 80.387, 310.713**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 67.774, 125.202**, and **32, 53.199, 133.269** is the 20% darker color. If you saturate the color by 10%, you get **52, 67.722, 125.227**, and if you desaturate by 10%, it is **52, 64.504, 124.437**.

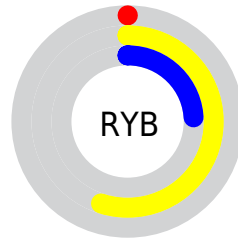
Distribution



Red (31%)

Green (55%)

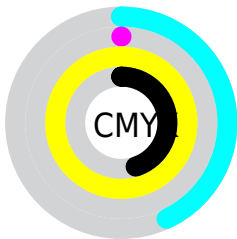
Blue (0%)



Red (0%)

Yellow (55%)

Blue (24%)

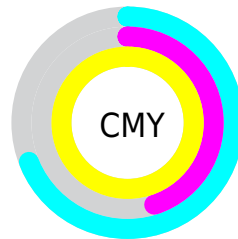


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (69%)


Magenta (45%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 67.699, 125.221 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, 67.699, 125.221 by changing the saturation by 10% instead.


 52, 67.699,
125.221


 52, 67.699,
125.221


 100, 67.699,
125.221


 42, 67.699,
125.221


 72, 67.699,
125.221

 32, 67.699,
125.221

 82, 67.699,
125.221

 22, 67.699,
125.221

 92, 67.699,
125.221

 12, 67.699,
125.221

 2, 67.699, 125.221

 0, 67.699, 125.221

■ 52, 67.699,
125.221

■ 52, 67.699,
125.221

■ 52, 67.722,
125.227

■ 52, 64.504,
124.437

■ 53, 60.206,
123.933

■ 53, 54.564,
123.820

■ 54, 47.908,
123.984

■ 54, 40.560,
124.321

■ 55, 32.765,
124.755

■ 56, 24.701,
125.234

■ 56, 16.489,

125.724

■ 57, 8.213, 126.207

Harmonies

Complementary

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



52, 67.699, 125.221



19, 80.387, 310.713

Rectangle

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



52, 67.699, 125.221



52, 67.699, 175.221



52, 67.699, 305.221



52, 67.699, 355.221

Sweetspot

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



52, 67.699, 125.222



71, 30.704, 125.199



35, 56.067, 55.198



37, 21.075, 125.018



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, 67.699, 125.222



66, 82.468, 125.583



50, 75.761, 135.531



29, 4.630, 126.245



50, 65.388, 125.154



1, 2.153, 126.651

Inverse Universe

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



19, 80.387, 310.713



27, 97.884, 310.475



30, 73.962, 325.061



27, 4.699, 307.069



18, 77.659, 310.763



0, 2.153, 306.649

Previews

White Background



This preview shows how the CIELCh color 52, 67.699, 125.221 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 52, 67.699, 125.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

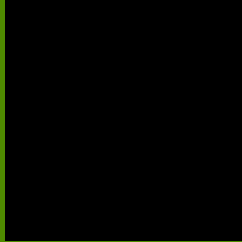
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 67.699, 125.221

Background



This preview shows how black text looks on a background with the CIELCh color 52, 67.699, 125.221.



This preview shows how white text looks on a background with the CIELCh color 52, 67.699, 125.221.

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, 67.699, 125.221

Protanopia
52, 57.312, 95.582

Deuteranopia
52, 51.256, 82.678



Tritanopia
52, 13.140, 227.677

Trichromacy



Original Color
52, 67.699, 125.221

Protanomaly
51, 58.805, 108.379

Deuteranomaly
51, 53.489, 102.272

Tritanomaly
51, 30.847, 141.648

Monochromacy



Original Color
52, 67.699, 125.221

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 30.302, 124.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 67.699, 125.221 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(79, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 139, 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(79, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 139, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 67.699, 125.221 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(79, 139, 0) }
```

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

```
.border{ border-color:rgb(79, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 139, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 67.699, 125.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 139, 0) }
```

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

```
.background{ background-color: rgb(79, 139,  
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