

Converting Colors

CIELCh(52, 86.041, 119.101)

Have a look what the booklet for
CIELCh(52, 86.041, 119.101)
contains.

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Color

CIELCh(52, 68.308, 125.656)

Conversions

Conversions Part 1

Format	Color
Hex	4D8B00
RGB	77, 139, 0
RGB Percent	30%, 55%, 0%
CMY	0.6969, 0.4536, 1.0000
CMYK	0.45, 0.00, 1.00, 0.45
HSL	87°, 100%, 27%
HSV	87°, 100%, 55%
XYZ	12.3555, 20.1443, 3.2029
YIQ	104.6160, 7.6670, -56.3730

Conversions

Conversions Part 2

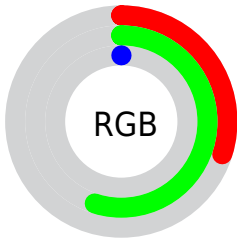
Format	Color
RYB	0, 139, 62
Decimal	5081856
CIELab	52.00, -39.82, 55.50
CIELCh	52, 68.308, 125.656
Yxy	20.1443, 0.3461, 0.5642
Android (android.graphics.Color)	4283271936 (0xFF4D8B00)
YUV	104.6160, -51.5757, -24.2192
Hunter-Lab	44.8824, -29.4058, 27.1866

Details

The CIELCh color **52, 68.308, 125.656** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 80.313, 310.980**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 68.075, 125.776**, and **32, 53.553, 133.801** is the 20% darker color. If you saturate the color by 10%, you get **52, 68.117, 125.740**, and if you desaturate by 10%, it is **52, 64.893, 124.954**.

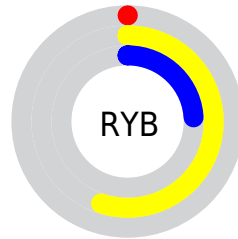
Distribution



Red (30%)

Green (55%)

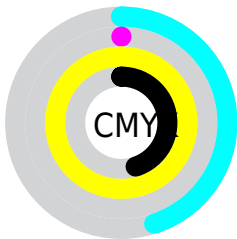
Blue (0%)



Red (0%)

Yellow (55%)

Blue (24%)

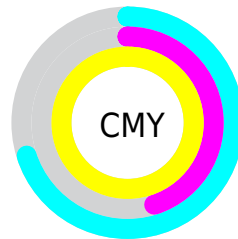


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (70%)


Magenta (45%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 68.308, 125.656 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, 68.308, 125.656 by changing the saturation by 10% instead.


 52, 68.308,
125.656


 52, 68.308,
125.656


 100, 68.308,
125.656


 42, 68.308,
125.656


 72, 68.308,
125.656

 32, 68.308,
125.656

 82, 68.308,
125.656

 22, 68.308,
125.656

 92, 68.308,
125.656

 12, 68.308,
125.656

 2, 68.308, 125.656

 0, 68.308, 125.656

■ 52, 68.308,
125.656

■ 52, 68.308,
125.656

■ 52, 68.117,
125.740

■ 52, 64.893,
124.954

■ 53, 60.569,
124.445

■ 53, 54.895,
124.329

■ 54, 48.204,
124.491

■ 54, 40.817,
124.826

■ 55, 32.982,
125.257

■ 56, 24.877,
125.732

■ 56, 16.624,

126.217

■ 57, 8.310, 126.694

Harmonies

Complementary

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



52, 68.308, 125.656



20, 80.313, 310.980

Rectangle

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



52, 68.308, 125.656



52, 68.308, 175.656



52, 68.308, 305.656



52, 68.308, 355.656

Sweetspot

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



52, 68.117, 125.740



71, 30.801, 125.700



36, 55.729, 56.371



37, 21.142, 125.521



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, 68.117, 125.740



66, 82.838, 126.094



50, 75.992, 135.628



29, 4.644, 126.735



50, 65.674, 125.663



1, 2.159, 127.135

Inverse Universe

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



20, 80.313, 310.980



27, 97.607, 310.742



31, 73.986, 325.685



27, 4.711, 307.545



18, 77.444, 311.032



0, 2.159, 307.133

Previews

White Background



This preview shows how the CIELCh color 52, 68.308, 125.656 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, 68.308, 125.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

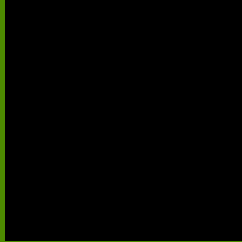
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 68.308, 125.656

Background



This preview shows how black text looks on a background with the CIELCh color 52, 68.308, 125.656.



This preview shows how white text looks on a background with the CIELCh color 52, 68.308, 125.656.

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, 68.017, 125.764

Protanopia

52, 57.312, 95.582

Deuteranopia

52, 51.256, 82.678



Tritanopia
52, 13.700, 226.328

Trichromacy



Original Color
52, 68.017, 125.764

Protanomaly
52, 59.185, 108.789

Deuteranomaly
51, 53.489, 102.272

Tritanomaly
51, 31.295, 142.691

Monochromacy



Original Color
52, 68.017, 125.764

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 30.449, 124.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 68.308, 125.656 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(77, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 139, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 68.308, 125.656 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(77, 139, 0) }
```

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

```
.border{ border-color:rgb(77, 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(77, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(77, 139, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 68.308, 125.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 139, 0) }
```

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

```
.background{ background-color: rgb(77, 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](#).

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