

Converting Colors

CIELCh(40, 56.983, 118.565)

Have a look what the booklet for
CIELCh(40, 56.983, 118.565)
contains.

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Color

CIELCh(40, 52.888, 119.918)

Conversions

Conversions Part 1

Format	Color
Hex	476800
RGB	71, 104, 0
RGB Percent	28%, 41%, 0%
CMY	0.7214, 0.5920, 0.9998
CMYK	0.32, 0.00, 1.00, 0.59
HSL	79°, 100%, 20%
HSV	79°, 100%, 41%
XYZ	7.5570, 11.2510, 1.7750
YIQ	82.2770, 13.7160, -39.3400

Conversions

Conversions Part 2

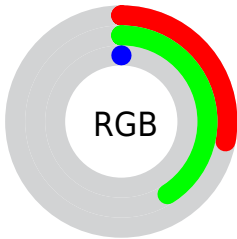
Format	Color
RYB	0, 104, 33
Decimal	4679680
CIELab	40.00, -26.38, 45.84
CIElCh	40, 52.888, 119.918
Yxy	11.2510, 0.3671, 0.5466
Android (android.graphics.Color)	4282869760 (0xFF476800)
YUV	82.2770, -40.5626, -9.8899
Hunter-Lab	33.5425, -18.4839, 20.3423

Details

The CIELCh color **40, 52.888, 119.918** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 66.524, 309.074**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 52.534, 119.996**, and **20, 37.358, 131.807** is the 20% darker color. If you saturate the color by 10%, you get **40, 52.906, 119.921**, and if you desaturate by 10%, it is **40, 49.934, 119.505**.

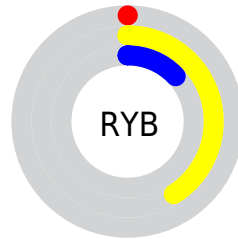
Distribution



Red (28%)

Green (41%)

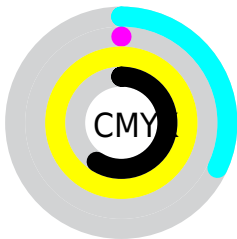
Blue (0%)



Red (0%)

Yellow (41%)

Blue (13%)

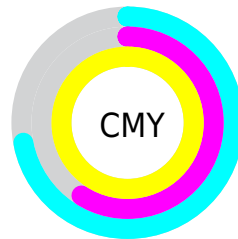


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (72%)


Magenta (59%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 52.888, 119.918 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 40, 52.888, 119.918 by changing the saturation by 10% instead.


 40, 52.888,
119.918


 40, 52.888,
119.918


 100, 52.888,
119.918


 30, 52.888,
119.918

 60, 52.888,
119.918


 20, 52.888,
119.918

 70, 52.888,
119.918

 10, 52.888,
119.918

 80, 52.888,
119.918

 0, 52.888, 119.918

 90, 52.888,
119.918

 40, 52.888,

 40, 52.888,

119.918

■ 40, 52.906,
119.921

119.918

■ 40, 49.934,
119.505

■ 41, 46.483,
119.196

■ 41, 42.049,
119.213

■ 41, 36.884,
119.460

■ 42, 31.217,
119.855

■ 42, 25.225,
120.337

■ 42, 19.030,
120.863

■ 43, 12.717,
121.404

Harmonies

Complementary

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



40, 52.888, 119.918



11, 66.524, 309.074

Rectangle

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



40, 52.888, 119.918



40, 52.888, 169.918



40, 52.888, 299.918



40, 52.888, 349.918

Sweetspot

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



40, 52.888, 119.920



54, 23.625, 120.815



24, 46.049, 48.632



28, 16.217, 120.650



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 52.888, 119.920



51, 63.955, 120.327



38, 60.578, 134.331



21, 3.525, 121.997



44, 56.768, 120.084



88, 99.013, 120.961

Inverse Universe

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



11, 66.524, 309.074



17, 80.524, 308.804



20, 60.699, 321.635



19, 3.584, 302.925



13, 71.441, 308.967



34, 124.787, 308.401

Previews

White Background



This preview shows how the CIELCh color 40, 52.888, 119.918 looks on a white 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

Black Background



This preview shows how the CIELCh color 40, 52.888, 119.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

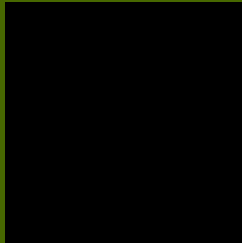
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 52.888, 119.918

Background



This preview shows how black text looks on a background with the CIELCh color 40, 52.888, 119.918.



This preview shows how white text looks on a background with the CIELCh color 40, 52.888, 119.918.

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
40, 52.888, 119.918

Protanopia
40, 47.127, 95.423

Deuteranopia
40, 41.957, 82.488



Tritanopia
40, 7.431, 233.985

Trichromacy



Original Color
40, 52.888, 119.918

Protanomaly
40, 48.170, 105.816

Deuteranomaly
39, 43.310, 98.041

Tritanomaly
40, 22.833, 133.479

Monochromacy



Original Color
40, 52.888, 119.918

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 23.620, 120.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 52.888, 119.918 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(71, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 104, 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(71, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 104, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 52.888, 119.918 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(71, 104, 0) }
```

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

```
.border{ border-color:rgb(71, 104, 0) }
```

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

Here you see how a box with a 4 pixel rgb(71, 104, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 104, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 52.888, 119.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 104, 0) }
```

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

```
.background{ background-color: rgb(71, 104,  
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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