

Converting Colors

CIELCh(40, 50.449, 113.239)

Have a look what the booklet for
CIELCh(40, 50.449, 113.239)
contains.

CIELCh(40, 50.476, 113.383)	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(40, 50.476, 113.383)

Conversions

Conversions Part 1

Format	Color
Hex	536600
RGB	83, 102, 0
RGB Percent	33%, 40%, 0%
CMY	0.6760, 0.6014, 1.0000
CMYK	0.19, 0.00, 1.00, 0.60
HSL	71°, 100%, 20%
HSV	71°, 100%, 40%
XYZ	8.2461, 11.2510, 1.7240
YIQ	84.6910, 21.4180, -35.7500

Conversions

Conversions Part 2

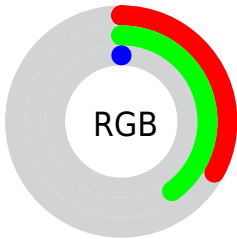
Format	Color
RYB	0, 102, 19
Decimal	5465600
CIELab	40.00, -20.03, 46.33
CIELCh	40, 50.476, 113.383
Yxy	11.2510, 0.3886, 0.5302
Android (android.graphics.Color)	4283655680 (0xFF536600)
YUV	84.6910, -41.7527, -1.4830
Hunter-Lab	33.5425, -14.8169, 20.4324

Details

The CIELCh color **40, 50.476, 113.383** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 66.807, 307.546**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 50.650, 113.177**, and **20, 33.528, 123.348** is the 20% darker color. If you saturate the color by 10%, you get **40, 50.357, 113.425**, and if you desaturate by 10%, it is **40, 47.633, 113.254**.

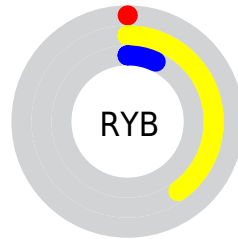
Distribution



Red (33%)

Green (40%)

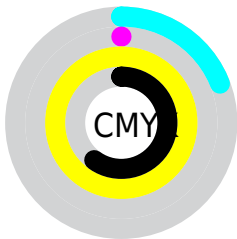
Blue (0%)



Red (0%)

Yellow (40%)

Blue (7%)

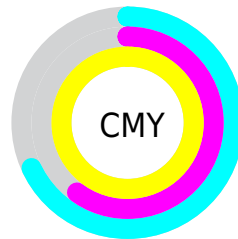


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (68%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 50.476, 113.383 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, 50.476, 113.383 by changing the saturation by 10% instead.


 40, 50.476,
113.383


 40, 50.476,
113.383


 100, 50.476,
113.383


 30, 50.476,
113.383

 60, 50.476,
113.383


 20, 50.476,
113.383

 70, 50.476,
113.383

 10, 50.476,
113.383

 80, 50.476,
113.383

 0, 50.476, 113.383

 90, 50.476,
113.383

 40, 50.476,

 40, 50.476,

113.383

■ 40, 50.357,
113.425

113.383

■ 40, 47.633,
113.254

■ 40, 44.456,
113.176

■ 41, 40.295,
113.370

■ 41, 35.403,
113.761

■ 41, 30.006,
114.283

■ 41, 24.279,
114.885

■ 42, 18.344,
115.529

■ 42, 12.283,
116.191

Harmonies

Complementary

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



40, 50.476, 113.383



10, 66.807, 307.546

Rectangle

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



40, 50.476, 113.383



40, 50.476, 163.383



40, 50.476, 293.383



40, 50.476, 343.383

Sweetspot

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



40, 50.357, 113.425



54, 22.812, 115.472



21, 47.601, 41.534



27, 15.409, 115.280



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 50.357, 113.425



52, 60.950, 113.713



37, 57.967, 132.062



21, 3.465, 116.922



45, 54.906, 113.564



90, 95.450, 114.172

Inverse Universe

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



10, 66.807, 307.546



15, 81.013, 307.337



17, 60.944, 317.383



19, 3.531, 298.102



12, 72.910, 307.442



32, 127.180, 307.048

Previews

White Background



This preview shows how the CIELCh color 40, 50.476, 113.383 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 CIE LCh color 40, 50.476, 113.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

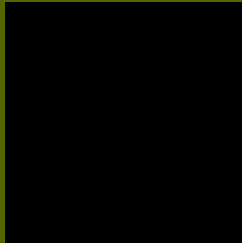
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 40, 50.476, 113.383

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.476, 113.383.



This preview shows how white text looks on a background with the CIELCh color 40, 50.476, 113.383.

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, 50.476, 113.383

Protanopia
40, 47.127, 95.423

Deuteranopia
40, 42.672, 82.716



Tritanopia
40, 5.004, 276.976

Trichromacy



Original Color
40, 50.476, 113.383

Protanomaly
40, 47.739, 102.852

Deuteranomaly
40, 44.144, 95.397

Tritanomaly
40, 19.637, 119.258

Monochromacy



Original Color
40, 50.476, 113.383

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 22.566, 114.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.476, 113.383 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(83, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 102, 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(83, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 102, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.476, 113.383 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(83, 102, 0) }
```

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

```
.border{ border-color:rgb(83, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(83, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 102, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.476, 113.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 102, 0) }
```

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

```
.background{ background-color: rgb(83, 102,  
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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