

Converting Colors

CIELCh(40, 51.403, 116.432)

Have a look what the booklet for
CIELCh(40, 51.403, 116.432)
contains.

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Color

CIELCh(40, 51.480, 116.317)

Conversions

Conversions Part 1

Format	Color
Hex	4E6700
RGB	78, 103, 0
RGB Percent	31%, 40%, 0%
CMY	0.6953, 0.5972, 1.0000
CMYK	0.24, 0.00, 1.00, 0.60
HSL	75°, 100%, 20%
HSV	75°, 100%, 40%
XYZ	7.9381, 11.2510, 1.7432
YIQ	83.7830, 18.1630, -37.3330

Conversions

Conversions Part 2

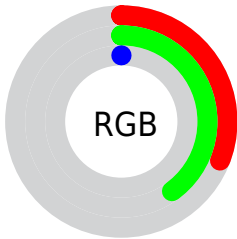
Format	Color
RYB	0, 103, 25
Decimal	5138176
CIELab	40.00, -22.82, 46.14
CIELCh	40, 51.480, 116.317
Yxy	11.2510, 0.3792, 0.5375
Android (android.graphics.Color)	4283328256 (0xFF4E6700)
YUV	83.7830, -41.3050, -5.0717
Hunter-Lab	33.5425, -16.4557, 20.3984

Details

The CIELCh color $40, 51.480, 116.317$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $10, 66.772, 308.123$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 51.233, 116.533$, and $20, 35.078, 127.012$ is the 20% darker color. If you saturate the color by 10%, you get $40, 51.391, 116.353$, and if you desaturate by 10%, it is $40, 48.575, 116.058$.

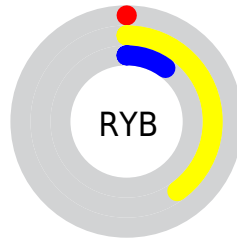
Distribution



Red (31%)

Green (40%)

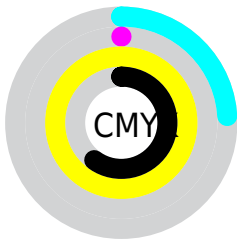
Blue (0%)



Red (0%)

Yellow (40%)

Blue (10%)

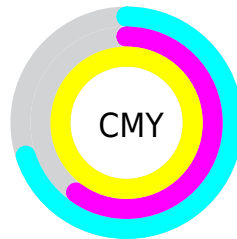


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (70%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 51.480, 116.317 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, 51.480, 116.317 by changing the saturation by 10% instead.


 40, 51.480,
116.317


 40, 51.480,
116.317


 100, 51.480,
116.317


 30, 51.480,
116.317

 60, 51.480,
116.317


 20, 51.480,
116.317

 70, 51.480,
116.317

 10, 51.480,
116.317

 80, 51.480,
116.317

 0, 51.480, 116.317

 90, 51.480,
116.317

 40, 51.480,

 40, 51.480,

116.317

116.317

■ 40, 51.391,
116.353

■ 40, 48.575,
116.058

■ 40, 45.290,
115.863

■ 41, 41.021,
115.967

■ 41, 36.020,
116.285

■ 41, 30.515,
116.744

■ 42, 24.681,
117.286

■ 42, 18.641,
117.873

■ 43, 12.478,
118.477

Harmonies

Complementary

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



40, 51.480, 116.317



10, 66.772, 308.123

Rectangle

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



40, 51.480, 116.317



40, 51.480, 166.317



40, 51.480, 296.317



40, 51.480, 346.317

Sweetspot

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



40, 51.391, 116.353



54, 22.981, 117.823



22, 47.146, 43.876



27, 15.524, 117.649



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, 51.391, 116.353



51, 61.772, 116.692



38, 59.092, 133.043



21, 3.488, 119.144



45, 55.628, 116.509



89, 96.839, 117.252

Inverse Universe

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



10, 66.772, 308.123



15, 80.382, 307.889



18, 60.894, 318.909



19, 3.551, 300.205



12, 72.329, 308.013



33, 126.268, 307.537

Previews

White Background



This preview shows how the CIELCh color 40, 51.480, 116.317 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, 51.480, 116.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

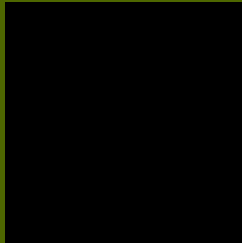
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 51.480, 116.317

Background



This preview shows how black text looks on a background with the CIELCh color 40, 51.480, 116.317.



This preview shows how white text looks on a background with the CIELCh color 40, 51.480, 116.317.

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, 51.480, 116.317

Protanopia

40, 47.127, 95.423

Deuteranopia

40, 42.320, 82.605



Tritanopia
40, 5.753, 257.439

Trichromacy



Original Color
40, 51.480, 116.317

Protanomaly
40, 47.745, 103.453

Deuteranomaly
40, 43.721, 96.708

Tritanomaly
40, 20.231, 125.372

Monochromacy



Original Color
40, 51.480, 116.317

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 23.267, 116.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 51.480, 116.317 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(78, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(78, 103, 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(78, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 103, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 51.480, 116.317 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(78, 103, 0) }
```

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

```
.border{ border-color:rgb(78, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(78, 103, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 51.480, 116.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 103, 0) }
```

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

```
.background{ background-color: rgb(78, 103,  
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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