

Converting Colors

CIELCh(40, 51.715, 106.177)

Have a look what the booklet for
CIELCh(40, 51.715, 106.177)
contains.

CIELCh(40, 48.587, 106.952)	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, 48.587, 106.952)

Conversions

Conversions Part 1

Format	Color
Hex	5C6300
RGB	92, 99, 0
RGB Percent	36%, 39%, 0%
CMY	0.6383, 0.6109, 0.9990
CMYK	0.07, 0.00, 1.00, 0.61
HSL	64°, 99%, 20%
HSV	64°, 100%, 39%
XYZ	8.9192, 11.2510, 1.7091
YIQ	85.6210, 27.6070, -32.2730

Conversions

Conversions Part 2

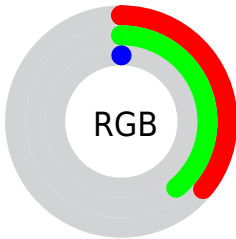
Format	Color
RYB	0, 99, 7
Decimal	6054656
CIELab	40.00, -14.17, 46.48
CIELCh	40, 48.587, 106.952
Yxy	11.2510, 0.4077, 0.5142
Android (android.graphics.Color)	4284244736 (0xFF5C6300)
YUV	85.6210, -42.2112, 5.5944
Hunter-Lab	33.5425, -11.2347, 20.4588

Details

The CIELCh color **40, 48.587, 106.952** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **9, 66.329, 306.670**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 48.791, 107.295**, and **20, 30.943, 114.694** is the 20% darker color. If you saturate the color by 10%, you get **40, 48.660, 106.949**, and if you desaturate by 10%, it is **40, 45.994, 107.104**.

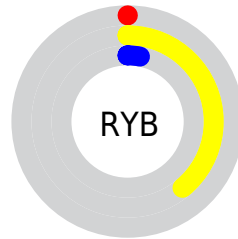
Distribution



Red (36%)

Green (39%)

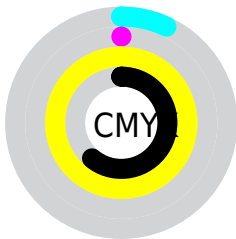
Blue (0%)



Red (0%)

Yellow (39%)

Blue (3%)

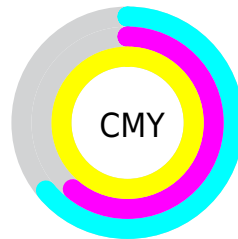


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (64%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 48.587, 106.952 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, 48.587, 106.952 by changing the saturation by 10% instead.


 40, 48.587,
106.952


 40, 48.587,
106.952


 100, 48.587,
106.952


 30, 48.587,
106.952

 60, 48.587,
106.952


 20, 48.587,
106.952

 70, 48.587,
106.952

 10, 48.587,
106.952

 80, 48.587,
106.952

 0, 48.587, 106.952

 90, 48.587,
106.952

 40, 48.587,

 40, 48.587,

106.952

■ 40, 48.660,
106.949

106.952

■ 40, 45.994,
107.104

■ 40, 42.949,
107.336

■ 40, 38.936,
107.767

■ 40, 34.202,
108.348

■ 41, 28.972,
109.033

■ 41, 23.417,
109.785

■ 41, 17.658,
110.573

■ 41, 11.775,
111.378

Harmonies

Complementary

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



40, 48.587, 106.952



9, 66.329, 306.670

Rectangle

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



40, 48.587, 106.952



40, 48.587, 156.952



40, 48.587, 286.952



40, 48.587, 336.952

Sweetspot

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



40, 48.587, 106.954



53, 22.241, 110.479



19, 48.213, 37.460



27, 15.261, 110.240



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, 48.587, 106.954



52, 59.011, 107.071



37, 55.097, 129.127



20, 3.290, 112.251



45, 53.080, 107.008



91, 92.830, 107.265

Inverse Universe

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



9, 66.329, 306.670



14, 80.781, 306.604



14, 61.114, 314.176



18, 3.355, 293.703



11, 72.602, 306.663



30, 127.351, 306.450

Previews

White Background



This preview shows how the CIELCh color 40, 48.587, 106.952 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, 48.587, 106.952 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, 48.587, 106.952

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.587, 106.952.



This preview shows how white text looks on a background with the CIELCh color 40, 48.587, 106.952.

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, 48.587, 106.952

Protanopia

40, 47.399, 96.099

Deuteranopia

40, 43.347, 82.921



Tritanopia
40, 5.192, 324.773

Trichromacy



Original Color
40, 48.587, 106.952

Protanomaly
40, 47.777, 100.439

Deuteranomaly
40, 44.404, 92.730

Tritanomaly
40, 19.242, 104.381

Monochromacy



Original Color
40, 48.587, 106.952

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 21.737, 110.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.587, 106.952 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(92, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(92, 99, 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(92, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 99, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.587, 106.952 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(92, 99, 0) }
```

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

```
.border{ border-color:rgb(92, 99, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 99, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(92, 99, 0); box-shadow:4px  
4px 4px 4px rgb(92, 99, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.587, 106.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 99, 0) }
```

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

```
.background{ background-color: rgb(92, 99,  
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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