

Converting Colors

CIELCh(40, 39.887, 113.184)

Have a look what the booklet for
CIELCh(40, 39.887, 113.184)
contains.

CIELCh(40, 39.768, 113.307)	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, 39.768, 113.307)

Conversions

Conversions Part 1

Format	Color
Hex	57641E
RGB	87, 100, 30
RGB Percent	34%, 39%, 12%
CMY	0.6586, 0.6076, 0.8821
CMYK	0.13, 0.00, 0.70, 0.61
HSL	71°, 54%, 26%
HSV	71°, 70%, 39%
XYZ	8.7358, 11.2510, 2.9441
YIQ	88.1330, 14.7220, -24.5260

Conversions

Conversions Part 2

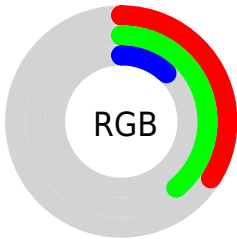
Format	Color
RYB	30, 100, 43
Decimal	5727262
CIELab	40.00, -15.73, 36.52
CIELCh	40, 39.768, 113.307
Yxy	11.2510, 0.3810, 0.4906
Android (android.graphics.Color)	4283917342 (0xFF57641E)
YUV	88.1330, -28.6596, -0.9936
Hunter-Lab	33.5425, -12.2106, 18.2757

Details

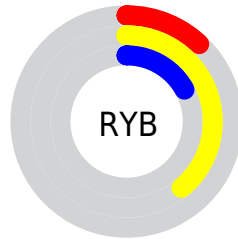
The CIELCh color **40, 39.768, 113.307** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **17, 47.653, 304.378**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 40.017, 113.249**, and **20, 31.178, 116.576** is the 20% darker color. If you saturate the color by 10%, you get **40, 43.891, 113.108**, and if you desaturate by 10%, it is **40, 34.929, 113.704**.

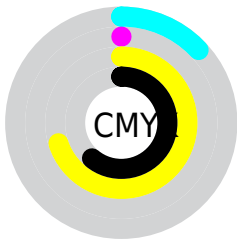
Distribution



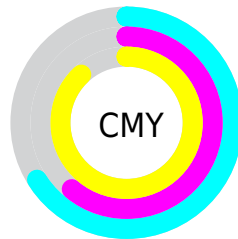
- Red (34%)
- Green (39%)
- Blue (12%)



- Red (12%)
- Yellow (39%)
- Blue (17%)



- Cyan (13%)
- Magenta (0%)
- Yellow (70%)
- Black (61%)





- Cyan (66%)
- Magenta (61%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 39.768, 113.307 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, 39.768, 113.307 by changing the saturation by 10% instead.


 40, 39.768,
113.307


 40, 39.768,
113.307


 100, 39.768,
113.307


 30, 39.768,
113.307

 60, 39.768,
113.307


 20, 39.768,
113.307

 70, 39.768,
113.307

 10, 39.768,
113.307

 80, 39.768,
113.307

 0, 39.768, 113.307

 90, 39.768,
113.307

 40, 39.768,

 40, 39.768,

113.307

■ 40, 43.891,
113.108

■ 40, 47.048,
113.177

■ 39, 49.780,
113.330

■ 39, 49.794,
113.331

113.307

■ 40, 34.929,
113.704

■ 41, 29.596,
114.228

■ 41, 23.940,
114.831

■ 41, 18.079,
115.477

■ 42, 12.096,
116.139

■ 42, 6.045, 116.800

■ 42, 0.036, 297.343

■ 43, 6.120, 298.070

■ 43, 12.188,

Harmonies

Complementary

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



40, 39.768, 113.307



17, 47.653, 304.378

Rectangle

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



40, 39.768, 113.307



40, 39.768, 163.307



40, 39.768, 293.307



40, 39.768, 343.307

Sweetspot

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



40, 39.768, 113.309



53, 15.783, 116.029



25, 32.215, 39.761



27, 10.759, 115.901



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, 39.768, 113.309



51, 55.519, 113.118



38, 45.078, 132.036



21, 3.465, 116.866



45, 54.889, 113.488



90, 95.418, 114.092

Inverse Universe

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



17, 47.653, 304.378



18, 70.434, 306.179



22, 47.247, 317.696



19, 3.531, 298.049



12, 72.924, 307.430



32, 127.201, 307.037

Previews

White Background



This preview shows how the CIELCh color 40, 39.768, 113.307 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, 39.768, 113.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

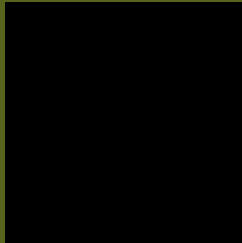
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 39.768, 113.307

Background



This preview shows how black text looks on a background with the CIELCh color 40, 39.768, 113.307.



This preview shows how white text looks on a background with the CIELCh color 40, 39.768, 113.307.

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, 39.768, 113.307

Protanopia
40, 37.542, 95.127

Deuteranopia
40, 35.798, 80.819



Tritanopia
40, 4.910, 295.685

Trichromacy



Original Color
40, 39.768, 113.307

Protanomaly
40, 37.916, 102.021

Deuteranomaly
40, 35.438, 93.277

Tritanomaly
40, 12.891, 118.155

Monochromacy



Original Color
40, 39.768, 113.307

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 15.287, 114.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 39.768, 113.307 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(87, 100, 30)` looks like.

```
.text, #text, p{  
    color:rgb(87, 100, 30)  
}
```

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(87, 100, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 100, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 39.768, 113.307 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(87, 100, 30) }
```

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

```
.border{ border-color:rgb(87, 100, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 100, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 100, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 100, 30);  
box-shadow:4px 4px 4px 4px rgb(87, 100,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 39.768, 113.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 100, 30) }
```

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

```
.background{ background-color: rgb(87, 100,  
30) }
```

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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