

Converting Colors

CIELCh(40, 46.057, 280.283)

Have a look what the booklet for
CIELCh(40, 46.057, 280.283)
contains.

CIELCh(40, 46.454, 280.699)	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, 46.454, 280.699)

Conversions

Conversions Part 1

Format	Color
Hex	235EA9
RGB	35, 94, 169
RGB Percent	14%, 37%, 66%
CMY	0.8620, 0.6310, 0.3368
CMYK	0.79, 0.44, 0.00, 0.34
HSL	214°, 66%, 40%
HSV	214°, 79%, 66%
XYZ	11.8814, 11.2510, 39.1338
YIQ	84.9090, -59.2390, 10.8170

Conversions

Conversions Part 2

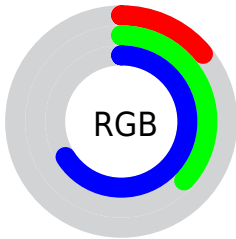
Format	Color
R_{YB}	35, 76, 169
Decimal	2317993
CIE _{Lab}	40.00, 8.62, -45.65
CIE _{LCh}	40, 46.454, 280.699
Yxy	11.2510, 0.1908, 0.1807
Android (android.graphics.Color)	4280508073 (0xFF235EA9)
YUV	84.9090, 41.4569, -43.7702
Hunter-Lab	33.5425, 4.5287, -45.6936

Details

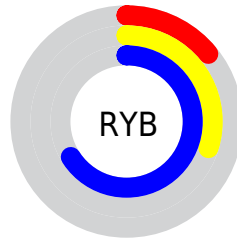
The CIELCh color **40, 46.454, 280.699** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **52, 51.596, 70.660**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 46.479, 280.727**, and **22, 44.903, 288.958** is the 20% darker color. If you saturate the color by 10%, you get **37, 52.524, 284.743**, and if you desaturate by 10%, it is **43, 40.518, 276.969**.

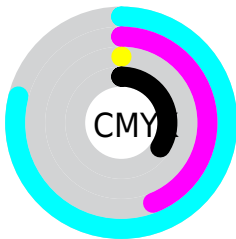
Distribution



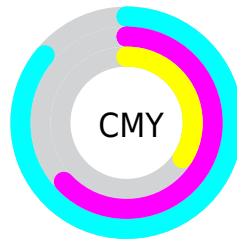
- Red (14%)
- Green (37%)
- Blue (66%)



- Red (14%)
- Yellow (30%)
- Blue (66%)



- Cyan (79%)
- Magenta (44%)
- Yellow (0%)
- Black (34%)





- Cyan (86%)
- Magenta (63%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 46.454, 280.699 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, 46.454, 280.699 by changing the saturation by 10% instead.


 40, 46.454,
280.699


 40, 46.454,
280.699


 100, 46.454,
280.699


 30, 46.454,
280.699

 60, 46.454,
280.699


 20, 46.454,
280.699

 70, 46.454,
280.699

 10, 46.454,
280.699

 80, 46.454,
280.699

 0, 46.454, 280.699

 90, 46.454,
280.699

 40, 46.454,

 40, 46.454,

280.699

■ 37, 52.524,
284.743

■ 34, 58.775,
288.823

■ 34, 59.288,
289.127

280.699

■ 43, 40.518,
276.969

■ 47, 34.660,
273.646

■ 51, 28.830,
270.756

■ 54, 22.997,
268.280

■ 58, 17.146,
266.174

■ 62, 11.279,
264.390

■ 66, 5.405, 262.891

■ 70, 0.464, 80.925

Harmonies

Complementary

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



40, 46.454, 280.699



52, 51.596, 70.660

Rectangle

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



40, 46.454, 280.699



40, 46.454, 330.699



40, 46.454, 100.699



40, 46.454, 150.699

Sweetspot

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



40, 46.454, 280.700



76, 17.419, 265.286



62, 53.439, 156.352



38, 11.946, 265.915



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



40, 46.454, 280.700



45, 69.413, 287.875



25, 83.635, 304.026



34, 3.313, 262.903



29, 53.114, 288.630



2, 6.410, 267.338

Inverse Universe

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



39, 56.784, 359.362



47, 74.493, 6.059



67, 64.870, 106.137



33, 4.355, 347.774



31, 56.244, 6.850



2, 7.545, 350.746

Previews

White Background



This preview shows how the CIE LCh color 40, 46.454, 280.699 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, 46.454, 280.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

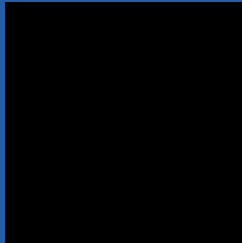
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 46.454, 280.699

Background



This preview shows how black text looks on a background with the CIELCh color 40, 46.454, 280.699.



This preview shows how white text looks on a background with the CIELCh color 40, 46.454, 280.699.

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, 46.454, 280.699

Protanopia

40, 45.866, 286.483

Deuteranopia

40, 46.304, 277.802



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 46.454, 280.699

Protanomaly
40, 46.092, 284.054

Deuteranomaly
40, 46.181, 278.404

Tritanomaly
39, 27.414, 245.742

Monochromacy



Original Color
40, 46.454, 280.699

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 18.460, 269.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 46.454, 280.699 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(35, 94, 169)` looks like.

```
.text, #text, p{  
    color:rgb(35, 94, 169)  
}
```

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(35, 94, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 94, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 46.454, 280.699 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(35, 94, 169) }
```

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

```
.border{ border-color:rgb(35, 94, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 94, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 94, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 94, 169);  
box-shadow:4px 4px 4px 4px rgb(35, 94,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 46.454, 280.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 94, 169) }
```

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

```
.background{ background-color: rgb(35, 94,  
169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor