

Converting Colors

CIELCh(40, 49.660, 280.167)

Have a look what the booklet for
CIELCh(40, 49.660, 280.167)
contains.

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Color

CIELCh(40, 50.188, 280.639)

Conversions

Conversions Part 1

Format	Color
Hex	0E5EAF
RGB	14, 94, 175
RGB Percent	5%, 37%, 69%
CMY	0.9451, 0.6304, 0.3126
CMYK	0.92, 0.46, 0.00, 0.31
HSL	210°, 85%, 37%
HSV	210°, 92%, 69%
XYZ	11.9731, 11.2510, 42.2504
YIQ	79.3140, -73.6810, 8.2310

Conversions

Conversions Part 2

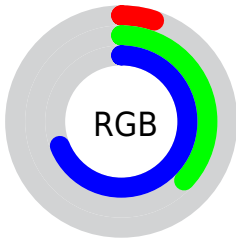
Format	Color
RYB	14, 67, 175
Decimal	941743
CIELab	40.00, 9.27, -49.33
CIELCh	40, 50.188, 280.639
Yxy	11.2510, 0.1829, 0.1718
Android (android.graphics.Color)	4279131823 (0xFF0E5EAF)
YUV	79.3140, 47.1732, -57.2804
Hunter-Lab	33.5425, 5.0167, -51.2024

Details

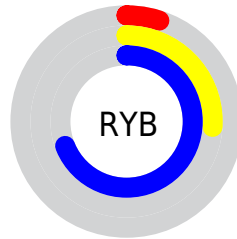
The CIELCh color **40, 50.188, 280.639** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **49, 60.580, 62.851**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 49.949, 280.589**, and **22, 48.605, 290.769** is the 20% darker color. If you saturate the color by 10%, you get **38, 54.579, 284.119**, and if you desaturate by 10%, it is **43, 44.859, 276.266**.

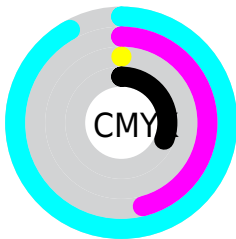
Distribution



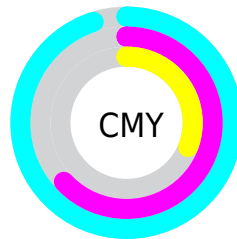
- Red (5%)
- Green (37%)
- Blue (69%)



- Red (5%)
- Yellow (26%)
- Blue (69%)



- Cyan (92%)
- Magenta (46%)
- Yellow (0%)
- Black (31%)





- Cyan (95%)
- Magenta (63%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 50.188, 280.639 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, 50.188, 280.639 by changing the saturation by 10% instead.


 40, 50.188,
280.639


 40, 50.188,
280.639


 100, 50.188,
280.639


 30, 50.188,
280.639

 60, 50.188,
280.639


 20, 50.188,
280.639

 70, 50.188,
280.639

 10, 50.188,
280.639

 80, 50.188,
280.639

 0, 50.188, 280.639

 90, 50.188,
280.639

 40, 50.188,

 40, 50.188,

280.639

■ 38, 54.579,
284.119

280.639

■ 43, 44.859,
276.266

■ 46, 39.617,
272.237

■ 49, 34.377,
268.663

■ 53, 29.077,
265.572

■ 56, 23.680,
262.942

■ 60, 18.178,
260.723

■ 63, 12.580,
258.860

■ 67, 6.903, 257.304

Harmonies

Complementary

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



40, 50.188, 280.639



49, 60.580, 62.851

Rectangle

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



40, 50.188, 280.639



40, 50.188, 330.639



40, 50.188, 100.639



40, 50.188, 150.639

Sweetspot

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



40, 50.188, 280.641



78, 19.659, 260.026



63, 63.812, 150.969



40, 13.643, 260.867



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 50.188, 280.641



49, 67.342, 284.950



22, 96.905, 305.523



35, 3.228, 256.932



32, 48.181, 283.519



3, 7.397, 264.705

Inverse Universe

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



38, 62.893, 359.007



49, 77.500, 2.865



69, 71.472, 103.011



34, 4.636, 344.500



32, 57.224, 1.473



2, 9.124, 348.933

Previews

White Background



This preview shows how the CIE LCh color 40, 50.188, 280.639 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, 50.188, 280.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

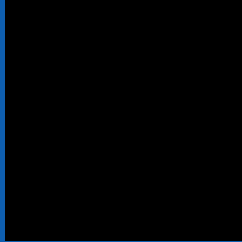
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 50.188, 280.639

Background



This preview shows how black text looks on a background with the CIELCh color 40, 50.188, 280.639.



This preview shows how white text looks on a background with the CIELCh color 40, 50.188, 280.639.

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, 50.176, 280.699

Protanopia

40, 49.486, 286.651

Deuteranopia

40, 45.939, 276.182



Tritanopia
40, 25.103, 206.536

Trichromacy



Original Color
40, 50.176, 280.699

Protanomaly
40, 49.794, 283.886

Deuteranomaly
40, 47.513, 278.026

Tritanomaly
39, 28.077, 246.124

Monochromacy



Original Color
40, 50.176, 280.699

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 20.112, 263.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 50.188, 280.639 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(14, 94, 175)` looks like.

```
.text, #text, p{  
    color:rgb(14, 94, 175)  
}
```

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(14, 94, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 94, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 50.188, 280.639 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(14, 94, 175) }
```

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

```
.border{ border-color:rgb(14, 94, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 94, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 94, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 94, 175);  
box-shadow:4px 4px 4px 4px rgb(14, 94,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 50.188, 280.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 94, 175) }
```

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

```
.background{ background-color: rgb(14, 94,  
175) }
```

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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