

Converting Colors

CIELCh(40, 48.481, 279.385)

Have a look what the booklet for
CIELCh(40, 48.481, 279.385)
contains.

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Color

CIELCh(40, 48.495, 279.318)

Conversions

Conversions Part 1

Format	Color
Hex	0D5FAD
RGB	13, 95, 173
RGB Percent	5%, 37%, 68%
CMY	0.9475, 0.6281, 0.3223
CMYK	0.92, 0.45, 0.00, 0.32
HSL	209°, 86%, 37%
HSV	209°, 92%, 68%
XYZ	11.7716, 11.2510, 40.9858
YIQ	79.3740, -73.9100, 6.8740

Conversions

Conversions Part 2

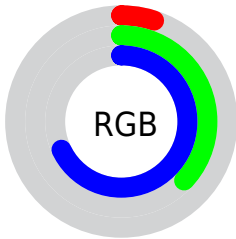
Format	Color
R_{YB}	13, 67, 173
Decimal	876461
CIE _{Lab}	40.00, 7.85, -47.86
CIE _{LCh}	40, 48.495, 279.318
Yxy	11.2510, 0.1839, 0.1758
Android (android.graphics.Color)	4279066541 (0xFF0D5FAD)
YUV	79.3740, 46.1576, -58.2100
Hunter-Lab	33.5425, 3.9447, -48.9671

Details

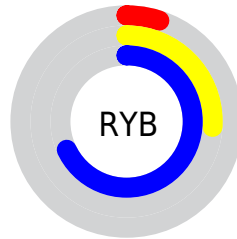
The CIELCh color **40, 48.495, 279.318** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **48, 60.234, 61.694**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 48.417, 279.203**, and **22, 46.666, 289.567** is the 20% darker color. If you saturate the color by 10%, you get **38, 52.531, 282.739**, and if you desaturate by 10%, it is **43, 43.449, 274.891**.

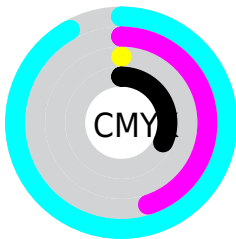
Distribution



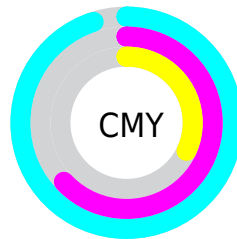
- Red (5%)
- Green (37%)
- Blue (68%)



- Red (5%)
- Yellow (26%)
- Blue (68%)



- Cyan (92%)
- Magenta (45%)
- Yellow (0%)
- Black (32%)





- Cyan (95%)
- Magenta (63%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 48.495, 279.318 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, 48.495, 279.318 by changing the saturation by 10% instead.


 40, 48.495,
279.318


 40, 48.495,
279.318


 100, 48.495,
279.318


 30, 48.495,
279.318

 60, 48.495,
279.318


 20, 48.495,
279.318

 70, 48.495,
279.318

 10, 48.495,
279.318

 80, 48.495,
279.318

 0, 48.495, 279.318

 90, 48.495,
279.318

 40, 48.495,

 40, 48.495,

279.318

■ 38, 52.531,
282.739

279.318

■ 43, 43.449,
274.891

■ 46, 38.470,
270.827

■ 49, 33.470,
267.230

■ 52, 28.385,
264.128

■ 56, 23.183,
261.494

■ 59, 17.856,
259.278

■ 63, 12.415,
257.421

■ 66, 6.880, 255.874

Harmonies

Complementary

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



40, 48.495, 279.318



48, 60.234, 61.694

Rectangle

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



40, 48.495, 279.318



40, 48.495, 329.318



40, 48.495, 99.318



40, 48.495, 149.318

Sweetspot

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



40, 48.495, 279.320



77, 19.232, 258.541



62, 64.257, 150.109



39, 13.215, 259.364



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



40, 48.495, 279.320



49, 64.958, 283.606



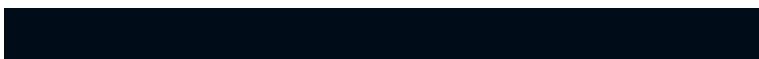
22, 95.113, 305.291



35, 3.194, 255.476



33, 46.928, 282.181



3, 7.316, 263.599

Inverse Universe

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



38, 62.469, 357.911



48, 77.004, 1.555



68, 69.897, 102.026



34, 4.677, 343.782



32, 57.371, 0.243



2, 9.194, 348.219

Previews

White Background



This preview shows how the CIE LCh color 40, 48.495, 279.318 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, 48.495, 279.318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

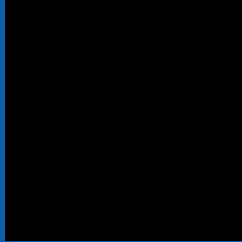
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 48.495, 279.318

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.495, 279.318.

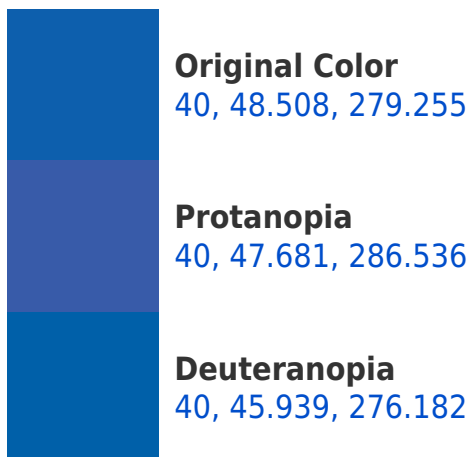



This preview shows how white text looks on a background with the CIELCh color 40, 48.495, 279.318.

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





Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 48.508, 279.255

Protanomaly
40, 48.048, 283.283

Deuteranomaly
40, 46.410, 276.901

Tritanomaly
40, 27.860, 244.595

Monochromacy



Original Color
40, 48.508, 279.255

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 19.604, 262.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.495, 279.318 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(13, 95, 173)` looks like.

```
.text, #text, p{  
    color:rgb(13, 95, 173)  
}
```

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(13, 95, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 95, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.495, 279.318 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(13, 95, 173) }
```

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

```
.border{ border-color:rgb(13, 95, 173) }
```

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

Here you see how a box with a 4 pixel rgb(13, 95, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 95, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 95, 173);  
box-shadow:4px 4px 4px 4px rgb(13, 95,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.495, 279.318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 95, 173) }
```

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

```
.background{ background-color: rgb(13, 95,  
173) }
```

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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