

Converting Colors

CIELCh(40, 49.930, 279.268)

Have a look what the booklet for
CIELCh(40, 49.930, 279.268)
contains.

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Color

CIELCh(40, 49.740, 279.325)

Conversions

Conversions Part 1

Format	Color
Hex	005FAF
RGB	0, 95, 175
RGB Percent	0%, 37%, 69%
CMY	1.0000, 0.6279, 0.3142
CMYK	1.00, 0.46, 0.00, 0.31
HSL	207°, 100%, 34%
HSV	207°, 100%, 69%
XYZ	11.8011, 11.2510, 42.0399
YIQ	75.7150, -82.3000, 4.7400

Conversions

Conversions Part 2

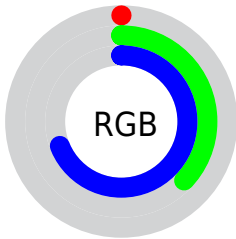
Format	Color
RYB	0, 62, 175
Decimal	24495
CIELab	40.00, 8.06, -49.08
CIELCh	40, 49.740, 279.325
Yxy	11.2510, 0.1813, 0.1728
Android (android.graphics.Color)	4278214575 (0xFF005FAF)
YUV	75.7150, 48.9475, -66.4021
Hunter-Lab	33.5425, 4.1013, -50.8305

Details

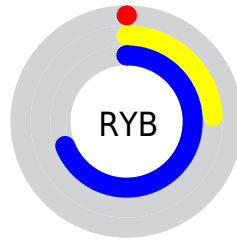
The CIELCh color **40, 49.740, 279.325** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **45, 65.411, 57.382**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 49.594, 279.093**, and **23, 47.896, 290.162** is the 20% darker color. If you saturate the color by 10%, you get **40, 49.735, 279.349**, and if you desaturate by 10%, it is **43, 45.060, 274.749**.

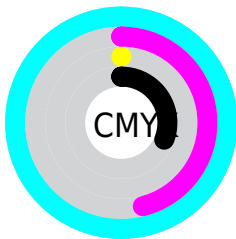
Distribution



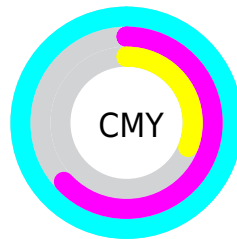
- Red (0%)
- Green (37%)
- Blue (69%)



- Red (0%)
- Yellow (24%)
- Blue (69%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (63%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 49.740, 279.325 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, 49.740, 279.325 by changing the saturation by 10% instead.

 40, 49.740,
279.325


 40, 49.740,
279.325


 100, 49.740,
279.325


 30, 49.740,
279.325

 60, 49.740,
279.325


 20, 49.740,
279.325

 70, 49.740,
279.325

 10, 49.740,
279.325

 80, 49.740,
279.325

 0, 49.740, 279.325

 90, 49.740,
279.325

 40, 49.740,

 40, 49.740,

279.325

■ 40, 49.735,
279.349

279.325

■ 43, 45.060,
274.749

■ 45, 40.513,
270.277

■ 48, 35.956,
266.249

■ 51, 31.298,
262.739

■ 54, 26.483,
259.748

■ 58, 21.489,
257.235

■ 61, 16.321,
255.137

■ 64, 10.999,
253.394

Harmonies

Complementary

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



40, 49.740, 279.325



45, 65.411, 57.382

Rectangle

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



40, 49.740, 279.325



40, 49.740, 329.325



40, 49.740, 99.325



40, 49.740, 149.325

Sweetspot

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



40, 49.735, 279.349



77, 20.162, 255.237



63, 70.381, 146.868



40, 13.797, 256.065



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, 49.735, 279.349



52, 61.415, 280.242



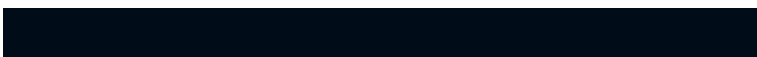
21, 98.524, 305.646



35, 3.123, 251.871



34, 44.029, 278.723



3, 7.128, 260.770

Inverse Universe

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



38, 64.516, 357.845



49, 78.216, 358.572



67, 70.424, 99.600



34, 4.780, 342.115



32, 57.847, 357.349



2, 9.373, 346.508

Previews

White Background



This preview shows how the CIE LCh color 40, 49.740, 279.325 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, 49.740, 279.325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

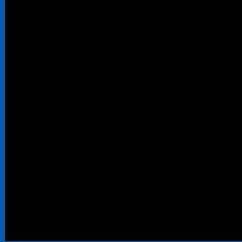
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 49.740, 279.325

Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.740, 279.325.



This preview shows how white text looks on a background with the CIELCh color 40, 49.740, 279.325.

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, 49.740, 279.325

Protanopia

40, 48.237, 286.237

Deuteranopia

40, 45.939, 276.182



Tritanopia
40, 25.277, 206.449

Trichromacy



Original Color
40, 49.740, 279.325

Protanomaly
40, 48.722, 282.382

Deuteranomaly
40, 47.008, 277.047

Tritanomaly
40, 28.382, 245.304

Monochromacy



Original Color
40, 49.740, 279.325

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 20.760, 260.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 49.740, 279.325 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(0, 95, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 95, 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(0, 95, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 95, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.740, 279.325 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(0, 95, 175) }
```

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

```
.border{ border-color:rgb(0, 95, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 95, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 95, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 95, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 95, 175)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.740, 279.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 95, 175) }
```

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

```
.background{ background-color: rgb(0, 95,  
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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