

Converting Colors

CIELCh(46, 49.595, 275.239)

Have a look what the booklet for
CIELCh(46, 49.595, 275.239)
contains.

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Color

CIELCh(46, 49.840, 275.536)

Conversions

Conversions Part 1

Format	Color
Hex	046FC0
RGB	4, 111, 192
RGB Percent	2%, 44%, 75%
CMY	0.9834, 0.5637, 0.2460
CMYK	0.98, 0.42, 0.00, 0.25
HSL	206°, 96%, 39%
HSV	206°, 98%, 75%
XYZ	15.3099, 15.2687, 52.1732
YIQ	88.2410, -89.7730, 2.5070

Conversions

Conversions Part 2

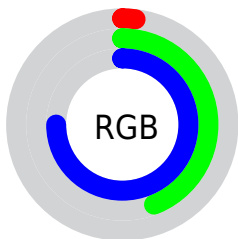
Format	Color
R_{YB}	4, 72, 192
Decimal	290752
CIE _{Lab}	46.00, 4.81, -49.61
CIE _{LCh}	46, 49.840, 275.536
Yxy	15.2687, 0.1850, 0.1845
Android (android.graphics.Color)	4278480832 (0xFF046FC0)
YUV	88.2410, 51.1532, -73.8794
Hunter-Lab	39.0751, 1.5560, -51.8115

Details

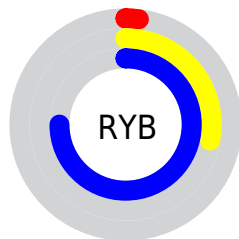
The CIELCh color **46, 49.840, 275.536** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **49, 70.005, 55.575**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 49.898, 275.660**, and **28, 47.952, 286.312** is the 20% darker color. If you saturate the color by 10%, you get **45, 50.868, 276.555**, and if you desaturate by 10%, it is **49, 45.338, 270.721**.

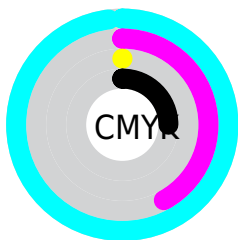
Distribution



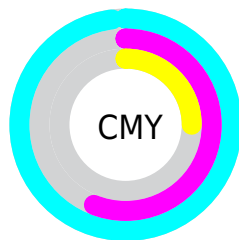
- Red (2%)
- Green (44%)
- Blue (75%)



- Red (2%)
- Yellow (28%)
- Blue (75%)



- Cyan (98%)
- Magenta (42%)
- Yellow (0%)
- Black (25%)





- Cyan (98%)
- Magenta (56%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 49.840, 275.536 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 46, 49.840, 275.536 by changing the saturation by 10% instead.


 46, 49.840,
275.536


 46, 49.840,
275.536


 100, 49.840,
275.536

 36, 49.840,
275.536

 66, 49.840,
275.536


 26, 49.840,
275.536

 76, 49.840,
275.536

 16, 49.840,
275.536

 86, 49.840,
275.536

 6, 49.840, 275.536

 96, 49.840,
275.536

 0, 49.840, 275.536

 46, 49.840,

 46, 49.840,

275.536

■ 45, 50.868,
276.555

275.536

■ 49, 45.338,
270.721

■ 52, 40.888,
266.224

■ 55, 36.350,
262.239

■ 58, 31.628,
258.813

■ 61, 26.671,
255.928

■ 64, 21.468,
253.526

■ 68, 16.035,
251.540

■ 71, 10.403,
249.904

Harmonies

Complementary

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



46, 49.840, 275.536



49, 70.005, 55.575

Rectangle

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



46, 49.840, 275.536



46, 49.840, 325.536



46, 49.840, 95.536



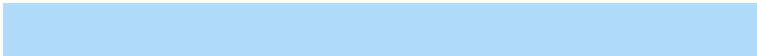
46, 49.840, 145.536

Sweetspot

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



46, 49.839, 275.538



85, 20.648, 251.845



68, 77.140, 145.717



44, 14.073, 252.680



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



46, 49.839, 275.538



58, 62.826, 277.398



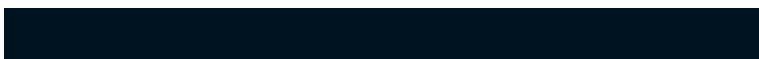
25, 102.996, 305.007



39, 3.368, 248.769



38, 44.009, 275.840



5, 11.901, 262.823

Inverse Universe

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



42, 69.579, 355.014



54, 84.754, 356.338



71, 73.433, 97.357



38, 5.337, 340.793



35, 61.196, 355.210



3, 16.511, 348.150

Previews

White Background



This preview shows how the CIELCh color 46, 49.840, 275.536 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 46, 49.840, 275.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

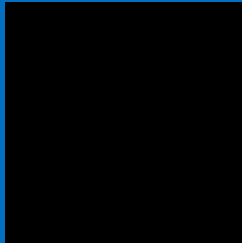
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 49.840, 275.536

Background



This preview shows how black text looks on a background with the CIELCh color 46, 49.840, 275.536.



This preview shows how white text looks on a background with the CIELCh color 46, 49.840, 275.536.

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
46, 27.957, 206.525

Trichromacy



Original Color
46, 49.829, 275.580

Protanomaly
46, 49.004, 280.466

Deuteranomaly
46, 50.662, 277.578

Tritanomaly
46, 30.329, 241.499

Monochromacy



Original Color
46, 49.829, 275.580

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 21.388, 258.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 49.840, 275.536 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(4, 111, 192)` looks like.

```
.text, #text, p{  
    color:rgb(4, 111, 192)  
}
```

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(4, 111, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 111, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 49.840, 275.536 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(4, 111, 192) }
```

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

```
.border{ border-color:rgb(4, 111, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 111, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 111, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 111, 192);  
box-shadow:4px 4px 4px 4px rgb(4, 111,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 49.840, 275.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 111, 192) }
```

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

```
.background{ background-color: rgb(4, 111,  
192) }
```

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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