

Converting Colors

CIELCh(45, 40.883, 248.554)

Have a look what the booklet for
CIELCh(45, 40.883, 248.554)
contains.

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Color

CIELCh(46, 36.720, 257.935)

Conversions

Conversions Part 1

Format	Color
Hex	0074A9
RGB	0, 116, 169
RGB Percent	0%, 45%, 66%
CMY	1.0000, 0.5459, 0.3384
CMYK	1.00, 0.31, 0.00, 0.34
HSL	199°, 100%, 33%
HSV	199°, 100%, 66%
XYZ	13.2976, 15.2687, 39.6373
YIQ	87.3580, -86.1490, -8.1090

Conversions

Conversions Part 2

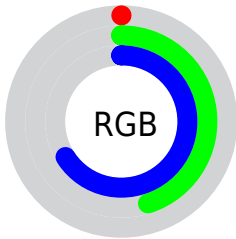
Format	Color
RYB	0, 69, 169
Decimal	29865
CIELab	46.00, -7.68, -35.91
CIELCh	46, 36.720, 257.935
Yxy	15.2687, 0.1950, 0.2239
Android (android.graphics.Color)	4278219945 (0xFF0074A9)
YUV	87.3580, 40.2495, -76.6130
Hunter-Lab	39.0751, -7.6366, -32.7904

Details

The CIELCh color **46, 36.720, 257.935** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 68.709, 48.328**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 36.806, 258.307**, and **28, 33.295, 272.672** is the 20% darker color. If you saturate the color by 10%, you get **46, 36.611, 258.227**, and if you desaturate by 10%, it is **48, 34.424, 253.472**.

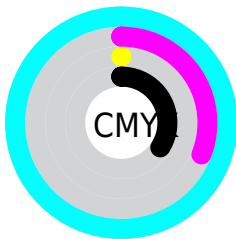
Distribution



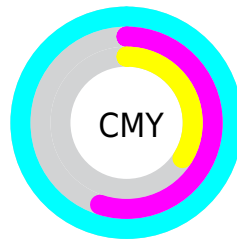
- Red (0%)
- Green (45%)
- Blue (66%)



- Red (0%)
- Yellow (27%)
- Blue (66%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (55%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 36.720, 257.935 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, 36.720, 257.935 by changing the saturation by 10% instead.


 46, 36.720,
257.935


 46, 36.720,
257.935


 100, 36.720,
257.935


 36, 36.720,
257.935

 66, 36.720,
257.935


 26, 36.720,
257.935

 76, 36.720,
257.935

 16, 36.720,
257.935

 86, 36.720,
257.935

 6, 36.720, 257.935

 96, 36.720,
257.935

 0, 36.720, 257.935

 46, 36.720,

 46, 36.720,

257.935

257.935

■ 46, 36.611,
258.227

■ 48, 34.424,
253.472

■ 50, 32.105,
249.125

■ 52, 29.453,
245.437

■ 54, 26.388,
242.390

■ 56, 22.884,
239.915

■ 59, 18.959,
237.927

■ 61, 14.654,
236.343

■ 64, 10.022,
235.091

Harmonies

Complementary

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



46, 36.720, 257.935



39, 68.709, 48.328

Rectangle

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



46, 36.720, 257.935



46, 36.720, 307.935



46, 36.720, 77.935



46, 36.720, 127.935

Sweetspot

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



46, 36.611, 258.227



78, 18.112, 236.420



60, 77.569, 141.288



40, 12.195, 237.022



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



46, 36.611, 258.227



59, 44.940, 259.237



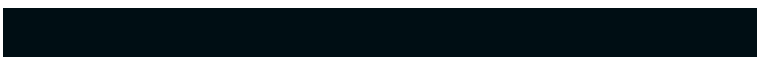
24, 85.390, 302.263



34, 2.896, 234.068



40, 33.054, 257.622



3, 5.437, 242.625

Inverse Universe

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



37, 67.256, 345.740



49, 81.499, 346.164



58, 62.748, 87.988



33, 5.160, 335.435



32, 61.183, 345.490



2, 8.848, 338.139

Previews

White Background



This preview shows how the CIELCh color 46, 36.720, 257.935 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, 36.720, 257.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

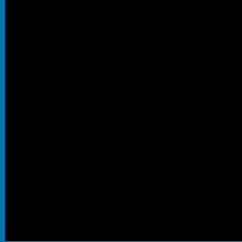
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 36.720, 257.935

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.720, 257.935.



This preview shows how white text looks on a background with the CIELCh color 46, 36.720, 257.935.

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


46, 36.663, 258.242

Protanopia

46, 32.287, 284.967

Deuteranopia

46, 36.874, 280.157



Tritanopia
46, 27.899, 207.831

Trichromacy



Original Color
46, 36.663, 258.242

Protanomaly
45, 34.288, 269.897

Deuteranomaly
45, 37.402, 269.976

Tritanomaly
46, 28.456, 229.053

Monochromacy



Original Color
46, 36.663, 258.242

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 17.968, 241.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.720, 257.935 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, 116, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 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(0, 116, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.720, 257.935 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, 116, 169) }
```

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

```
.border{ border-color:rgb(0, 116, 169) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.720, 257.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 169) }
```

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

```
.background{ background-color: rgb(0, 116,  
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](#).

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