

Converting Colors

CIELCh(46, 36.452, 257.944)

Have a look what the booklet for
CIELCh(46, 36.452, 257.944)
contains.

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Color

CIELCh(46, 36.251, 257.477)

Conversions

Conversions Part 1

Format	Color
Hex	0074A8
RGB	0, 116, 168
RGB Percent	0%, 45%, 66%
CMY	1.0000, 0.5457, 0.3419
CMYK	1.00, 0.31, 0.00, 0.34
HSL	199°, 100%, 33%
HSV	199°, 100%, 66%
XYZ	13.2691, 15.2687, 39.2056
YIQ	87.2440, -85.8280, -8.4200

Conversions

Conversions Part 2

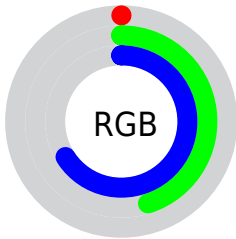
Format	Color
RYB	0, 69, 168
Decimal	29864
CIELab	46.00, -7.86, -35.39
CIELCh	46, 36.251, 257.477
Yxy	15.2687, 0.1959, 0.2254
Android (android.graphics.Color)	4278219944 (0xFF0074A8)
YUV	87.2440, 39.8127, -76.5130
Hunter-Lab	39.0751, -7.7664, -32.1354

Details

The CIELCh color **46, 36.251, 257.477** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 68.573, 48.150**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 35.993, 257.010**, and **28, 32.748, 271.956** is the 20% darker color. If you saturate the color by 10%, you get **46, 36.235, 257.517**, and if you desaturate by 10%, it is **48, 34.112, 252.784**.

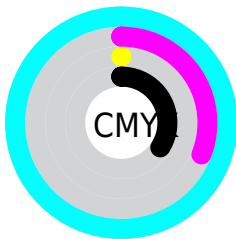
Distribution



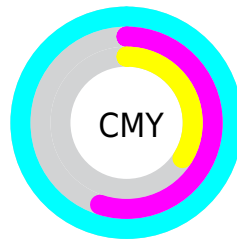
- Red (0%)
- Green (45%)
- Blue (66%)



- 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, 36.251, 257.477 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, 36.251, 257.477 by changing the saturation by 10% instead.

 46, 36.251,
257.477


 46, 36.251,
257.477


 100, 36.251,
257.477


 36, 36.251,
257.477

 66, 36.251,
257.477


 26, 36.251,
257.477

 76, 36.251,
257.477

 16, 36.251,
257.477

 86, 36.251,
257.477

 6, 36.251, 257.477

 96, 36.251,
257.477

 0, 36.251, 257.477

 46, 36.251,

 46, 36.251,

257.477

■ 46, 36.235,
257.517

257.477

■ 48, 34.112,
252.784

■ 50, 31.849,
248.465

■ 52, 29.244,
244.807

■ 54, 26.220,
241.789

■ 56, 22.753,
239.342

■ 58, 18.859,
237.379

■ 61, 14.582,
235.818

■ 63, 9.976, 234.585

Harmonies

Complementary

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



46, 36.251, 257.477



39, 68.573, 48.150

Rectangle

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



46, 36.251, 257.477



46, 36.251, 307.477



46, 36.251, 77.477



46, 36.251, 127.477

Sweetspot

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



46, 36.235, 257.517



78, 18.100, 235.895



60, 77.253, 141.297



40, 12.185, 236.489



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, 36.235, 257.517



59, 44.650, 258.548



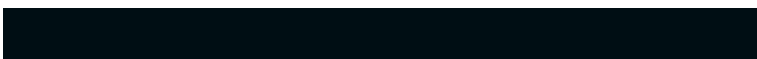
23, 85.029, 302.252



34, 2.896, 233.582



41, 32.854, 256.936



3, 5.431, 242.130

Inverse Universe

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



37, 67.158, 345.447



49, 81.691, 345.873



57, 62.507, 87.995



33, 5.174, 335.277



32, 61.326, 345.212



2, 8.874, 337.953

Previews

White Background



This preview shows how the CIE LCh color 46, 36.251, 257.477 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, 36.251, 257.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

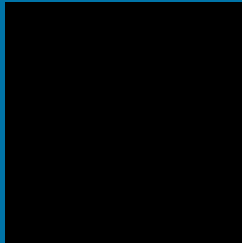
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 36.251, 257.477

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.251, 257.477.

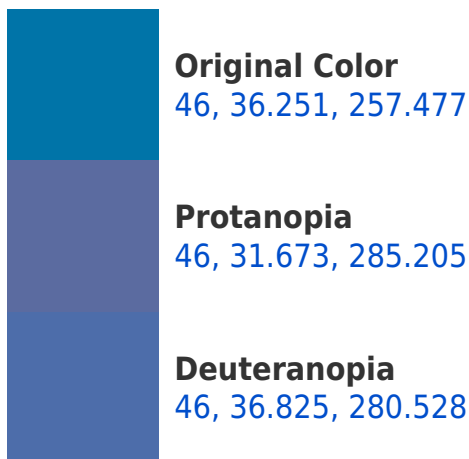


This preview shows how white text looks on a background with the CIELCh color 46, 36.251, 257.477.

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



Trichromacy



Original Color
46, 36.251, 257.477

Protanomaly
45, 33.712, 269.613

Deuteranomaly
45, 36.843, 269.644

Monochromacy



Original Color
46, 36.251, 257.477

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 17.644, 239.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.251, 257.477 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.251, 257.477 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, 168) }
```

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

```
.border{ border-color:rgb(0, 116, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.251, 257.477 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, 168) }
```

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

```
.background{ background-color: rgb(0, 116,  
168) }
```

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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