

Converting Colors

CIELCh(45, 38.106, 257.912)

Have a look what the booklet for
CIELCh(45, 38.106, 257.912)
contains.

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Color

CIELCh(45, 36.976, 259.609)

Conversions

Conversions Part 1

Format	Color
Hex	0071A7
RGB	0, 113, 167
RGB Percent	0%, 44%, 65%
CMY	1.0000, 0.5573, 0.3459
CMYK	1.00, 0.32, 0.00, 0.35
HSL	199°, 100%, 33%
HSV	199°, 100%, 65%
XYZ	12.7962, 14.5417, 38.5946
YIQ	85.3690, -84.6820, -7.1620

Conversions

Conversions Part 2

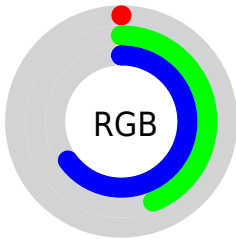
Format	Color
RYB	0, 67, 167
Decimal	29095
CIELab	45.00, -6.67, -36.37
CIELCh	45, 36.976, 259.609
Yxy	14.5417, 0.1941, 0.2206
Android (android.graphics.Color)	4278219175 (0xFF0071A7)
YUV	85.3690, 40.2441, -74.8686
Hunter-Lab	38.1336, -6.8360, -33.3132

Details

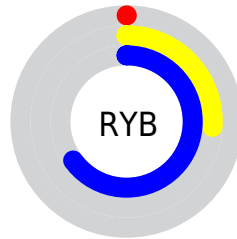
The CIELCh color **45, 36.976, 259.609** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 67.759, 48.857**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 36.641, 259.094**, and **27, 33.306, 273.518** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.879, 259.883**, and if you desaturate by 10%, it is **47, 34.568, 255.106**.

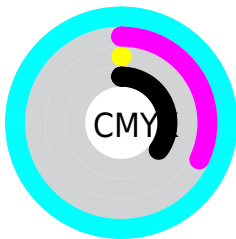
Distribution



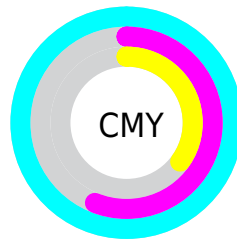
- Red (0%)
- Green (44%)
- Blue (65%)



- Red (0%)
- Yellow (26%)
- Blue (65%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (56%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 36.976, 259.609 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 45, 36.976, 259.609 by changing the saturation by 10% instead.


 45, 36.976,
259.609


 45, 36.976,
259.609


 100, 36.976,
259.609


 35, 36.976,
259.609

 65, 36.976,
259.609


 25, 36.976,
259.609

 75, 36.976,
259.609

 15, 36.976,
259.609

 85, 36.976,
259.609

 5, 36.976, 259.609

 95, 36.976,
259.609

 0, 36.976, 259.609

 45, 36.976,

 45, 36.976,

259.609

■ 45, 36.879,
259.883

259.609

■ 47, 34.568,
255.106

■ 49, 32.148,
250.714

■ 51, 29.421,
246.971

■ 53, 26.306,
243.866

■ 55, 22.776,
241.334

■ 58, 18.844,
239.293

■ 60, 14.548,
237.660

■ 63, 9.941, 236.362

Harmonies

Complementary

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



45, 36.976, 259.609



39, 67.759, 48.857

Rectangle

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



45, 36.976, 259.609



45, 36.976, 309.609



45, 36.976, 79.609



45, 36.976, 129.609

Sweetspot

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



45, 36.879, 259.883



77, 17.979, 237.740



60, 75.969, 141.831



40, 12.225, 238.366



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 36.879, 259.883



58, 45.283, 260.906



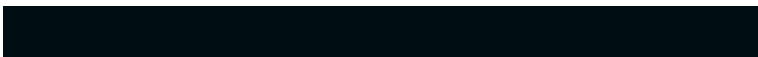
23, 86.126, 302.774



34, 2.897, 235.296



40, 33.580, 259.324



3, 5.455, 243.861

Inverse Universe

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



37, 66.318, 346.442



48, 80.326, 346.890



58, 62.715, 89.424



33, 5.125, 335.839



32, 60.828, 346.202



2, 8.783, 338.611

Previews

White Background



This preview shows how the CIELCh color 45, 36.976, 259.609 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 45, 36.976, 259.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

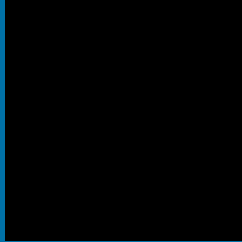
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.976, 259.609

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.976, 259.609.



This preview shows how white text looks on a background with the CIELCh color 45, 36.976, 259.609.

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
45, 36.925, 259.921

Protanomaly
44, 34.827, 271.165

Deuteranomaly
45, 37.454, 270.279

Monochromacy



Original Color
45, 36.925, 259.921

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 17.784, 242.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.976, 259.609 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, 113, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 167)  
}
```

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, 113, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.976, 259.609 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, 113, 167) }
```

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

```
.border{ border-color:rgb(0, 113, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.976, 259.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 167) }
```

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

```
.background{ background-color: rgb(0, 113,  
167) }
```

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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