

Converting Colors

CIELCh(45, 57.041, 281.083)

Have a look what the booklet for
CIELCh(45, 57.041, 281.083)
contains.

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Color

CIELCh(45, 57.438, 281.540)

Conversions

Conversions Part 1

Format	Color
Hex	006AC9
RGB	0, 106, 201
RGB Percent	0%, 42%, 79%
CMY	0.9986, 0.5841, 0.2115
CMYK	1.00, 0.47, 0.00, 0.21
HSL	208°, 100%, 39%
HSV	208°, 100%, 79%
XYZ	15.7139, 14.5417, 57.2768
YIQ	85.1360, -93.6710, 7.0730

Conversions

Conversions Part 2

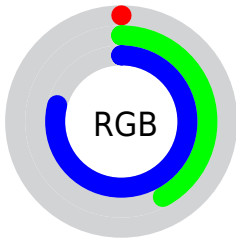
Format	Color
RYB	0, 69, 201
Decimal	27337
CIELab	45.00, 11.49, -56.28
CIELCh	45, 57.438, 281.540
Yxy	14.5417, 0.1795, 0.1661
Android (android.graphics.Color)	4278217417 (0xFF006AC9)
YUV	85.1360, 57.1210, -74.6643
Hunter-Lab	38.1336, 6.8215, -62.3603

Details

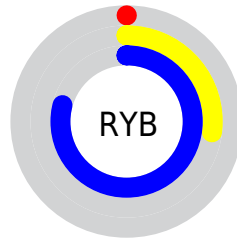
The CIELCh color **45, 57.438, 281.540** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **53, 72.111, 58.252**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 55.394, 280.541**, and **28, 55.435, 290.830** is the 20% darker color. If you saturate the color by 10%, you get **45, 57.538, 281.618**, and if you desaturate by 10%, it is **48, 51.881, 276.919**.

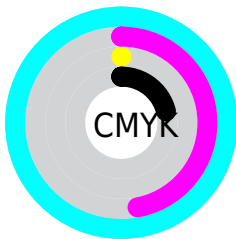
Distribution



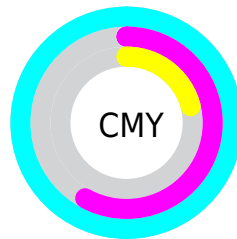
- Red (0%)
- Green (42%)
- Blue (79%)



- Red (0%)
- Yellow (27%)
- Blue (79%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (21%)





- Cyan (100%)
- Magenta (58%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 57.438, 281.540 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, 57.438, 281.540 by changing the saturation by 10% instead.


 45, 57.438,
281.540


 45, 57.438,
281.540


 100, 57.438,
281.540


 35, 57.438,
281.540

 65, 57.438,
281.540


 25, 57.438,
281.540

 75, 57.438,
281.540

 15, 57.438,
281.540

 85, 57.438,
281.540

 5, 57.438, 281.540

 95, 57.438,
281.540

 0, 57.438, 281.540

 45, 57.438,

 45, 57.438,

281.540

281.540

■ 45, 57.538,
281.618

■ 48, 51.881,
276.919

■ 51, 46.486,
272.432

■ 54, 41.121,
268.363

■ 58, 35.682,
264.801

■ 62, 30.103,
261.756

■ 65, 24.354,
259.190

■ 69, 18.436,
257.045

■ 73, 12.368,
255.258

Harmonies

Complementary

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



45, 57.438, 281.540



53, 72.111, 58.252

Rectangle

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



45, 57.438, 281.540



45, 57.438, 331.540



45, 57.438, 101.540



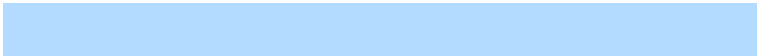
45, 57.438, 151.540

Sweetspot

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



45, 57.438, 281.542



86, 22.476, 257.162



71, 77.147, 147.426



44, 15.266, 258.041



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 57.438, 281.542



56, 69.752, 282.321



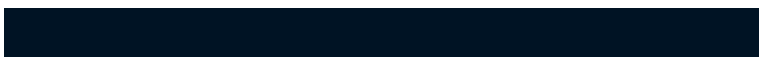
25, 110.342, 305.913



40, 3.536, 253.725



37, 48.574, 280.851



5, 13.592, 267.885

Inverse Universe

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



43, 71.173, 359.680



55, 85.020, 0.368



77, 79.017, 100.704



39, 5.296, 342.959



35, 61.081, 359.084



4, 18.130, 351.350

Previews

White Background



This preview shows how the CIE LCh color 45, 57.438, 281.540 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, 57.438, 281.540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

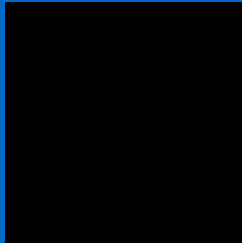
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 57.438, 281.540

Background



This preview shows how black text looks on a background with the CIELCh color 45, 57.438, 281.540.



This preview shows how white text looks on a background with the CIELCh color 45, 57.438, 281.540.

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
45, 27.448, 206.762

Trichromacy



Original Color
45, 57.438, 281.540

Protanomaly
45, 57.109, 284.119

Deuteranomaly
45, 53.113, 278.702

Tritanomaly
45, 31.289, 246.498

Monochromacy



Original Color
45, 57.438, 281.540

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 23.474, 262.475

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 57.438, 281.540 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, 106, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 201)  
}
```

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, 106, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 57.438, 281.540 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, 106, 201) }
```

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

```
.border{ border-color:rgb(0, 106, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 57.438, 281.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 201) }
```

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

```
.background{ background-color: rgb(0, 106,  
201) }
```

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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