

Converting Colors

CIELCh(44, 45.917, 273.087)

Have a look what the booklet for
CIELCh(44, 45.917, 273.087)
contains.

CIELCh(44, 45.807, 273.005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 45.807, 273.005)

Conversions

Conversions Part 1

Format	Color
Hex	006BB4
RGB	0, 107, 180
RGB Percent	0%, 42%, 71%
CMY	0.9982, 0.5800, 0.2937
CMYK	1.00, 0.41, 0.00, 0.29
HSL	204°, 99%, 35%
HSV	204°, 100%, 71%
XYZ	13.5226, 13.8382, 45.1970
YIQ	83.3290, -87.2050, 0.0190

Conversions

Conversions Part 2

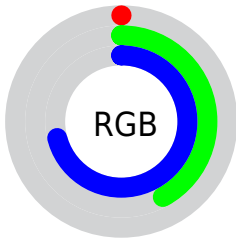
Format	Color
RYB	0, 67, 180
Decimal	27572
CIELab	44.00, 2.40, -45.74
CIELCh	44, 45.807, 273.005
Yxy	13.8382, 0.1864, 0.1907
Android (android.graphics.Color)	4278217652 (0xFF006BB4)
YUV	83.3290, 47.6588, -73.0795
Hunter-Lab	37.1997, -0.2125, -45.9964

Details

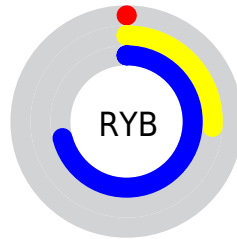
The CIELCh color **44, 45.807, 273.005** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **45, 68.508, 53.674**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 45.586, 272.854**, and **26, 43.384, 284.415** is the 20% darker color. If you saturate the color by 10%, you get **44, 45.909, 273.124**, and if you desaturate by 10%, it is **46, 41.941, 268.178**.

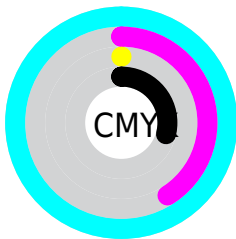
Distribution



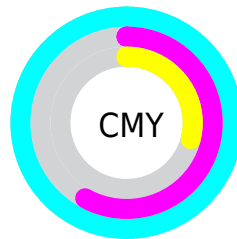
- Red (0%)
- Green (42%)
- Blue (71%)



- Red (0%)
- Yellow (26%)
- Blue (71%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (29%)




- Cyan (100%)
- Magenta (58%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 45.807, 273.005 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 44, 45.807, 273.005 by changing the saturation by 10% instead.


 44, 45.807,
273.005

 44, 45.807,
273.005


 100, 45.807,
273.005


 34, 45.807,
273.005

 64, 45.807,
273.005


 24, 45.807,
273.005

 74, 45.807,
273.005

 14, 45.807,
273.005

 84, 45.807,
273.005

 4, 45.807, 273.005

 94, 45.807,
273.005

 0, 45.807, 273.005

 44, 45.807,

 44, 45.807,

273.005

273.005

■ 44, 45.909,
273.124

■ 46, 41.941,
268.178

■ 49, 38.124,
263.596

■ 52, 34.186,
259.546

■ 54, 30.032,
256.077

■ 57, 25.609,
253.166

■ 60, 20.908,
250.756

■ 64, 15.947,
248.772

■ 67, 10.759,
247.147

Harmonies

Complementary

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



44, 45.807, 273.005



45, 68.508, 53.674

Rectangle

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



44, 45.807, 273.005



44, 45.807, 323.005



44, 45.807, 93.005



44, 45.807, 143.005

Sweetspot

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



44, 45.806, 273.006



81, 19.912, 248.911



64, 75.283, 144.748



41, 13.471, 249.698



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



44, 45.806, 273.006



57, 56.749, 274.052



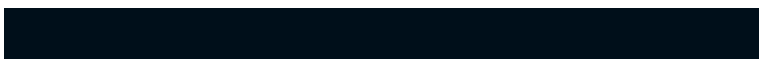
23, 97.997, 304.893



36, 3.108, 245.785



37, 40.284, 272.423



4, 8.130, 257.335

Inverse Universe

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



39, 67.127, 353.314



51, 81.608, 353.991



66, 69.532, 96.028



35, 5.072, 339.592



33, 59.670, 352.944



2, 11.252, 344.628

Previews

White Background



This preview shows how the CIE LCh color 44, 45.807, 273.005 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 44, 45.807, 273.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

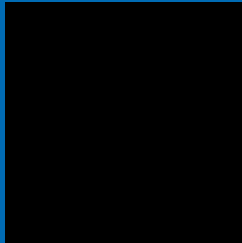
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 45.807, 273.005

Background



This preview shows how black text looks on a background with the CIELCh color 44, 45.807, 273.005.

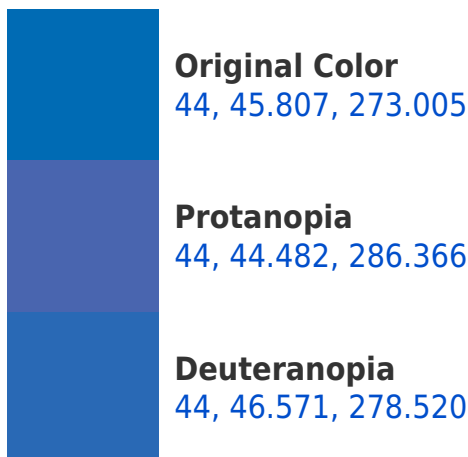


This preview shows how white text looks on a background with the CIELCh color 44, 45.807, 273.005.

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
44, 26.936, 207.010

Trichromacy



Original Color
44, 45.807, 273.005

Protanomaly
43, 45.325, 279.437

Deuteranomaly
44, 46.432, 275.905

Tritanomaly
44, 29.020, 239.444

Monochromacy



Original Color
44, 45.807, 273.005

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 20.082, 255.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 45.807, 273.005 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, 107, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 180)  
}
```

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, 107, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 45.807, 273.005 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, 107, 180) }
```

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

```
.border{ border-color:rgb(0, 107, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 45.807, 273.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 180) }
```

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

```
.background{ background-color: rgb(0, 107,  
180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor