

Converting Colors

CIELCh(44, 53.427, 272.392)

Have a look what the booklet for
CIELCh(44, 53.427, 272.392)
contains.

CIELCh(45, 52.025, 277.729)	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(45, 52.025, 277.729)

Conversions

Conversions Part 1

Format	Color
Hex	006CC1
RGB	0, 108, 193
RGB Percent	0%, 42%, 76%
CMY	1.0000, 0.5769, 0.2436
CMYK	1.00, 0.44, 0.00, 0.24
HSL	206°, 100%, 38%
HSV	206°, 100%, 76%
XYZ	14.9545, 14.5417, 52.3942
YIQ	85.3980, -91.6530, 3.5390

Conversions

Conversions Part 2

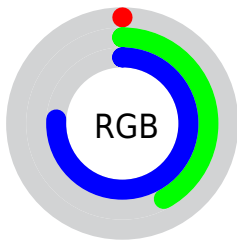
Format	Color
RYB	0, 69, 193
Decimal	27841
CIELab	45.00, 7.00, -51.55
CIELCh	45, 52.025, 277.729
Yxy	14.5417, 0.1826, 0.1776
Android (android.graphics.Color)	4278217921 (0xFF006CC1)
YUV	85.3980, 53.0478, -74.8940
Hunter-Lab	38.1336, 3.2668, -54.7688

Details

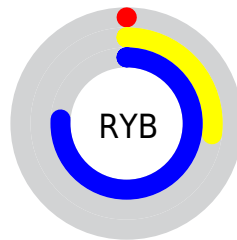
The CIELCh color **45, 52.025, 277.729** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **49, 71.071, 55.848**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 51.935, 277.527**, and **28, 49.892, 287.869** is the 20% darker color. If you saturate the color by 10%, you get **45, 52.019, 277.752**, and if you desaturate by 10%, it is **48, 47.274, 273.005**.

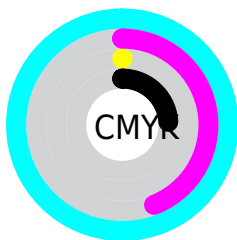
Distribution



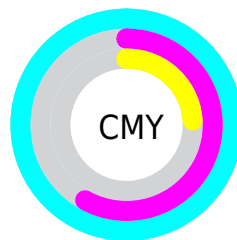
- Red (0%)
- Green (42%)
- Blue (76%)



- Red (0%)
- Yellow (27%)
- Blue (76%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (58%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 52.025, 277.729 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, 52.025, 277.729 by changing the saturation by 10% instead.


 45, 52.025,
277.729


 45, 52.025,
277.729


 100, 52.025,
277.729


 35, 52.025,
277.729

 65, 52.025,
277.729


 25, 52.025,
277.729

 75, 52.025,
277.729

 15, 52.025,
277.729

 85, 52.025,
277.729

 5, 52.025, 277.729

 95, 52.025,
277.729

 0, 52.025, 277.729

 45, 52.025,

 45, 52.025,

277.729

277.729

■ 45, 52.019,
277.752

■ 48, 47.274,
273.005

■ 51, 42.645,
268.433

■ 54, 37.975,
264.332

■ 57, 33.162,
260.776

■ 60, 28.141,
257.761

■ 64, 22.893,
255.239

■ 67, 17.426,
253.147

■ 71, 11.766,
251.416

Harmonies

Complementary

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



45, 52.025, 277.729



49, 71.071, 55.848

Rectangle

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



45, 52.025, 277.729



45, 52.025, 327.729



45, 52.025, 97.729



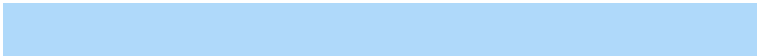
45, 52.025, 147.729

Sweetspot

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



45, 52.019, 277.752



85, 21.492, 253.237



69, 77.179, 145.964



43, 14.571, 254.085



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



45, 52.019, 277.752



58, 64.110, 278.576



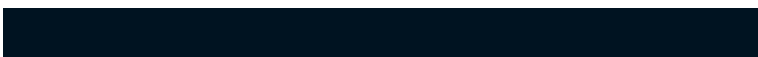
24, 105.473, 305.516



39, 3.387, 249.924



38, 44.882, 277.034



5, 12.025, 263.849

Inverse Universe

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



42, 69.686, 356.603



54, 84.480, 357.234



72, 74.845, 98.411



38, 5.302, 341.276



35, 60.983, 356.069



3, 16.406, 348.742

Previews

White Background



This preview shows how the CIE LCh color 45, 52.025, 277.729 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, 52.025, 277.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

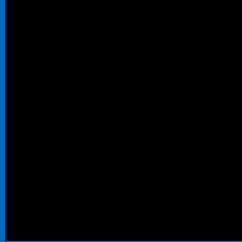
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 52.025, 277.729

Background



This preview shows how black text looks on a background with the CIELCh color 45, 52.025, 277.729.



This preview shows how white text looks on a background with the CIELCh color 45, 52.025, 277.729.

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


45, 52.025, 277.729

Protanopia

45, 50.858, 286.516

Deuteranopia

45, 51.498, 277.358



Tritanopia
45, 27.448, 206.762

Trichromacy



Original Color
45, 52.025, 277.729

Protanomaly
45, 51.442, 281.720

Deuteranomaly
45, 51.498, 277.358

Tritanomaly
45, 30.360, 243.345

Monochromacy



Original Color
45, 52.025, 277.729

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 22.032, 259.306

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 52.025, 277.729 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, 108, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 193)  
}
```

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, 108, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 52.025, 277.729 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, 108, 193) }
```

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

```
.border{ border-color:rgb(0, 108, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 108,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 52.025, 277.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 193) }
```

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

```
.background{ background-color: rgb(0, 108,  
193) }
```

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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