

Converting Colors

CIELCh(59, 45.793, 260.614)

Have a look what the booklet for
CIELCh(59, 45.793, 260.614)
contains.

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Color

CIELCh(59, 45.825, 260.638)

Conversions

Conversions Part 1

Format	Color
Hex	0096DD
RGB	0, 150, 221
RGB Percent	0%, 59%, 87%
CMY	1.0000, 0.4118, 0.1334
CMYK	1.00, 0.32, 0.00, 0.13
HSL	199°, 100%, 43%
HSV	199°, 100%, 87%
XYZ	23.9526, 27.0277, 72.3507
YIQ	113.2440, -112.1910, -9.7190

Conversions

Conversions Part 2

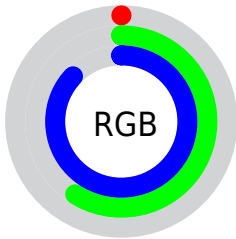
Format	Color
RYB	0, 89, 221
Decimal	38621
CIELab	59.00, -7.45, -45.21
CIElCh	59, 45.825, 260.638
Yxy	27.0277, 0.1942, 0.2191
Android (android.graphics.Color)	4278228701 (0xFF0096DD)
YUV	113.2440, 53.1237, -99.3150
Hunter-Lab	51.9882, -8.7387, -46.1207

Details

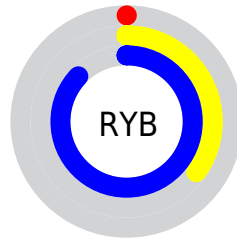
The CIELCh color **59, 45.825, 260.638** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **52, 84.250, 48.083**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 36.915, 246.350**, and **41, 41.744, 271.033** is the 20% darker color. If you saturate the color by 10%, you get **59, 45.824, 260.639**, and if you desaturate by 10%, it is **61, 43.009, 255.607**.

Distribution



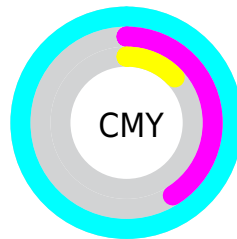
- Red (0%)
- Green (59%)
- Blue (87%)



- Red (0%)
- Yellow (35%)
- Blue (87%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (41%)
- Yellow (13%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 45.825, 260.638 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 59, 45.825, 260.638 by changing the saturation by 10% instead.


 59, 45.825,
260.638


 59, 45.825,
260.638


 100, 45.825,
260.638

 49, 45.825,
260.638

 79, 45.825,
260.638

 39, 45.825,
260.638

 89, 45.825,
260.638

 29, 45.825,
260.638

 99, 45.825,
260.638

 19, 45.825,
260.638

 9, 45.825, 260.638

 0, 45.825, 260.638

■ 59, 45.825,
260.638

■ 59, 45.825,
260.638

■ 59, 45.824,
260.639

■ 61, 43.009,
255.607

■ 64, 40.046,
251.036

■ 66, 36.706,
247.135

■ 69, 32.875,
243.902

■ 72, 28.507,
241.275

■ 75, 23.617,
239.165

■ 78, 18.254,
237.485

■ 81, 12.483,

236.156

■ 85, 6.377, 235.129

Harmonies

Complementary

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



59, 45.825, 260.638



52, 84.250, 48.083

Rectangle

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



59, 45.825, 260.638



59, 45.825, 310.638



59, 45.825, 80.638



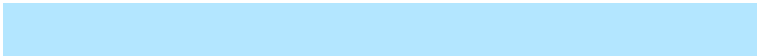
59, 45.825, 130.638

Sweetspot

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



59, 45.824, 260.639



89, 20.488, 237.521



77, 94.595, 141.412



46, 13.808, 238.192



0, 0.000, 0.000



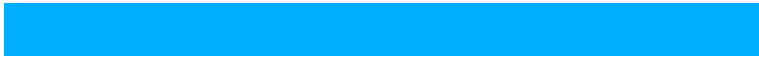
53, 0.007, 296.813

Same Dimension

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



59, 45.824, 260.639



67, 51.292, 261.093



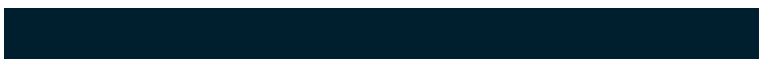
31, 107.904, 303.243



44, 3.602, 235.080



47, 37.891, 259.718



10, 14.005, 249.265

Inverse Universe

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



49, 81.578, 346.772



56, 90.753, 346.974



75, 77.213, 89.123



43, 6.387, 335.783



38, 68.286, 346.371



6, 27.637, 342.484

Previews

White Background



This preview shows how the CIE LCh color 59, 45.825, 260.638 looks on a white background.

Color Contrast Check

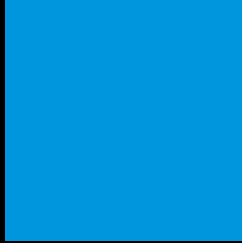
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 59, 45.825, 260.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

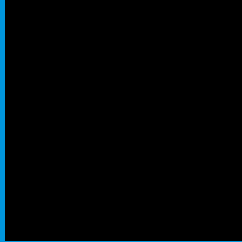
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 45.825, 260.638

Background



This preview shows how black text looks on a background with the CIELCh color 59, 45.825, 260.638.

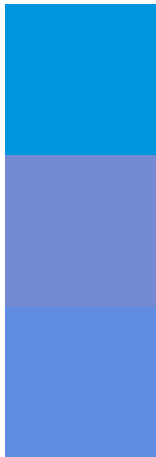


This preview shows how white text looks on a background with the CIELCh color 59, 45.825, 260.638.

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](#).

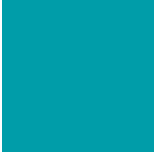
Dichromacy



Original Color
59, 45.825, 260.638

Protanopia
59, 41.047, 285.202

Deuteranopia
59, 47.244, 280.673



Tritanopia
59, 33.678, 208.452

Trichromacy



Original Color
59, 45.825, 260.638

Protanomaly
58, 43.298, 271.098

Deuteranomaly
58, 46.930, 270.878

Tritanomaly
59, 34.698, 231.428

Monochromacy



Original Color
59, 45.825, 260.638

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 22.064, 242.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 45.825, 260.638 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, 150, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 221)  
}
```

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, 150, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 45.825, 260.638 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, 150, 221) }
```

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

```
.border{ border-color:rgb(0, 150, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 45.825, 260.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 221) }
```

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

```
.background{ background-color: rgb(0, 150,  
221) }
```

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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