

Converting Colors

CIELCh(60, 45.643, 259.050)

Have a look what the booklet for
CIELCh(60, 45.643, 259.050)
contains.

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Color

CIELCh(60, 45.560, 259.353)

Conversions

Conversions Part 1

Format	Color
Hex	0099DF
RGB	0, 153, 223
RGB Percent	0%, 60%, 87%
CMY	0.9991, 0.3999, 0.1254
CMYK	1.00, 0.31, 0.00, 0.13
HSL	199°, 100%, 44%
HSV	199°, 100%, 87%
XYZ	24.7223, 28.1233, 73.9608
YIQ	115.2330, -113.6580, -10.6660

Conversions

Conversions Part 2

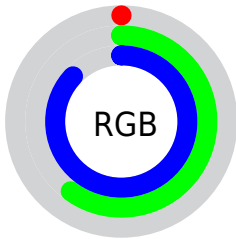
Format	Color
R _Y B	0, 91, 223
Decimal	39391
CIE Lab	60.00, -8.42, -44.78
CIE LCh	60, 45.560, 259.353
Yxy	28.1233, 0.1950, 0.2218
Android (android.graphics.Color)	4278229471 (0xFF0099DF)
YUV	115.2330, 53.1291, -101.0593
Hunter-Lab	53.0314, -9.5915, -45.5674

Details

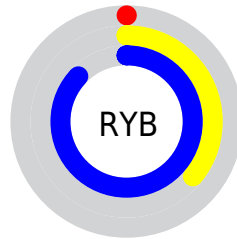
The CIELCh color **60, 45.560, 259.353** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **52, 85.111, 47.717**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 36.408, 243.284**, and **42, 41.755, 270.413** is the 20% darker color. If you saturate the color by 10%, you get **60, 45.588, 259.405**, and if you desaturate by 10%, it is **62, 42.862, 254.338**.

Distribution



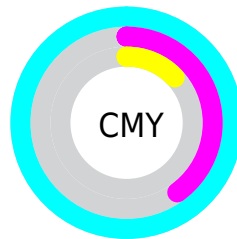
- Red (0%)
- Green (60%)
- Blue (87%)



- Red (0%)
- Yellow (36%)
- Blue (87%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (40%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 45.560, 259.353 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 60, 45.560, 259.353 by changing the saturation by 10% instead.


 60, 45.560,
259.353


 60, 45.560,
259.353


 100, 45.560,
259.353


 50, 45.560,
259.353


 80, 45.560,
259.353

 40, 45.560,
259.353

 90, 45.560,
259.353

 30, 45.560,
259.353

 20, 45.560,
259.353

 10, 45.560,
259.353

 0, 45.560, 259.353

 60, 45.560,

 60, 45.560,

259.353

■ 60, 45.588,
259.405

259.353

■ 62, 42.862,
254.338

■ 65, 39.991,
249.808

■ 67, 36.717,
245.956

■ 70, 32.925,
242.775

■ 73, 28.576,
240.197

■ 76, 23.685,
238.133

■ 79, 18.304,
236.495

■ 82, 12.504,
235.204

Harmonies

Complementary

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



60, 45.560, 259.353



52, 85.111, 47.717

Rectangle

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



60, 45.560, 259.353



60, 45.560, 309.353



60, 45.560, 79.353



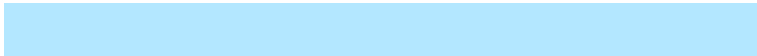
60, 45.560, 129.353

Sweetspot

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



60, 45.559, 259.354



89, 20.457, 236.543



78, 96.359, 140.906



46, 13.782, 237.197



0, 0.000, 0.000



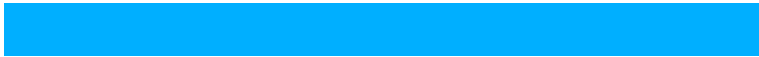
53, 0.007, 296.813

Same Dimension

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



60, 45.559, 259.354



68, 50.649, 259.827



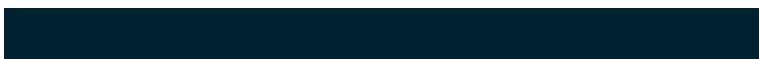
32, 106.782, 302.729



45, 3.670, 234.175



48, 37.869, 258.517



11, 14.432, 248.736

Inverse Universe

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



49, 82.490, 346.214



56, 91.147, 346.418



75, 77.125, 87.675



44, 6.542, 335.486



39, 69.312, 345.861



7, 29.120, 342.229

Previews

White Background



This preview shows how the CIE LCh color 60, 45.560, 259.353 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 60, 45.560, 259.353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

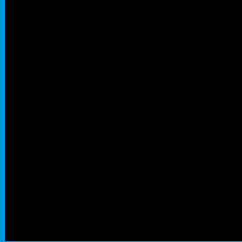
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 45.560, 259.353

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.560, 259.353.



This preview shows how white text looks on a background with the CIELCh color 60, 45.560, 259.353.

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
60, 45.560, 259.353

Protanomaly
59, 43.239, 270.895

Deuteranomaly
59, 46.374, 270.090

Monochromacy



Original Color
60, 45.560, 259.353

Achromatopsia
48, 0.006, 296.813

Achromatomaly
51, 22.111, 239.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.560, 259.353 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, 153, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 223)  
}
```

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, 153, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.560, 259.353 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, 153, 223) }
```

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

```
.border{ border-color:rgb(0, 153, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.560, 259.353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 223) }
```

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

```
.background{ background-color: rgb(0, 153,  
223) }
```

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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