

Converting Colors

CIELCh(60, 48.168, 263.729)

Have a look what the booklet for
CIELCh(60, 48.168, 263.729)
contains.

CIELCh(60, 48.260, 263.763)	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(60, 48.260, 263.763)

Conversions

Conversions Part 1

Format	Color
Hex	0C98E5
RGB	12, 152, 229
RGB Percent	5%, 60%, 90%
CMY	0.9525, 0.4046, 0.1027
CMYK	0.95, 0.34, 0.00, 0.10
HSL	201°, 90%, 47%
HSV	201°, 95%, 90%
XYZ	25.4674, 28.1233, 78.0717
YIQ	118.9180, -108.1570, -5.7330

Conversions

Conversions Part 2

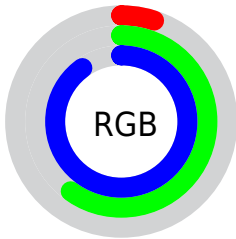
Format	Color
R_{YB}	12, 97, 229
Decimal	825573
CIE _{Lab}	60.00, -5.24, -47.97
CIE _{LCh}	60, 48.260, 263.763
Yxy	28.1233, 0.1934, 0.2136
Android (android.graphics.Color)	4279015653 (0xFF0C98E5)
YUV	118.9180, 54.2704, -93.7671
Hunter-Lab	53.0314, -7.0837, -50.1634

Details

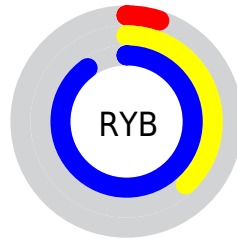
The CIELCh color **60, 48.260, 263.763** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **56, 81.517, 50.817**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 36.042, 245.212**, and **42, 44.810, 273.498** is the 20% darker color. If you saturate the color by 10%, you get **59, 50.180, 266.468**, and if you desaturate by 10%, it is **63, 44.681, 258.801**.

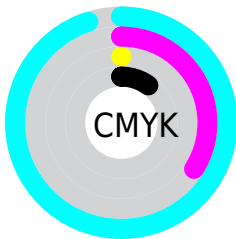
Distribution



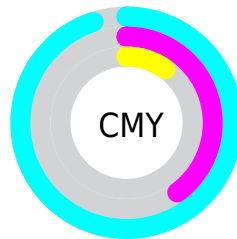
- Red (5%)
- Green (60%)
- Blue (90%)



- Red (5%)
- Yellow (38%)
- Blue (90%)



- Cyan (95%)
- Magenta (34%)
- Yellow (0%)
- Black (10%)





- Cyan (95%)
- Magenta (40%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 48.260, 263.763 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, 48.260, 263.763 by changing the saturation by 10% instead.


 60, 48.260,
263.763


 60, 48.260,
263.763


 100, 48.260,
263.763


 50, 48.260,
263.763


 80, 48.260,
263.763

 40, 48.260,
263.763

 90, 48.260,
263.763

 30, 48.260,
263.763

 20, 48.260,
263.763

 10, 48.260,
263.763

 0, 48.260, 263.763

 60, 48.260,

 60, 48.260,

263.763

■ 59, 50.180,
266.468

263.763

■ 63, 44.681,
258.801

■ 65, 40.910,
254.408

■ 68, 36.785,
250.666

■ 72, 32.217,
247.558

■ 75, 27.180,
245.018

■ 78, 21.698,
242.963

■ 82, 15.820,
241.310

■ 85, 9.609, 239.990

Harmonies

Complementary

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



60, 48.260, 263.763



56, 81.517, 50.817

Rectangle

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



60, 48.260, 263.763



60, 48.260, 313.763



60, 48.260, 83.763



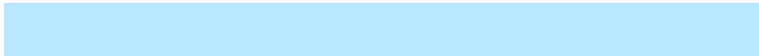
60, 48.260, 133.763

Sweetspot

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



60, 48.259, 263.764



89, 19.426, 241.842



80, 91.873, 143.549



46, 13.271, 242.569



0, 0.000, 0.000



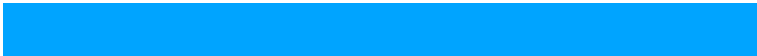
53, 0.007, 296.813

Same Dimension

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



60, 48.259, 263.764



65, 54.691, 266.805



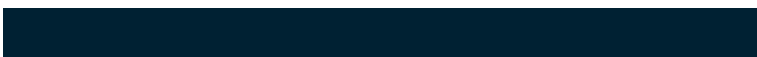
33, 109.510, 303.104



46, 3.756, 239.423



46, 41.220, 265.553



11, 15.718, 256.079

Inverse Universe

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



51, 81.974, 348.217



56, 89.006, 349.732



80, 79.832, 92.526



45, 6.471, 337.259



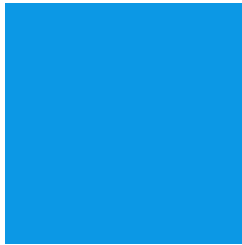
39, 68.394, 349.089



7, 29.557, 344.889

Previews

White Background



This preview shows how the CIE LCh color 60, 48.260, 263.763 looks on a white background.

Color Contrast Check

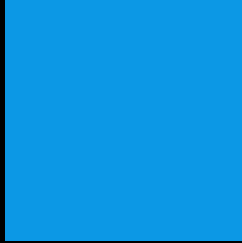
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 60, 48.260, 263.763 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

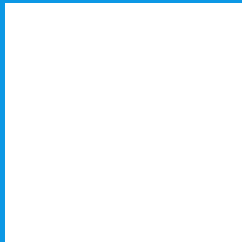
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 48.260, 263.763

Background



This preview shows how black text looks on a background with the CIELCh color 60, 48.260, 263.763.

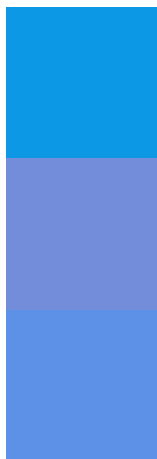


This preview shows how white text looks on a background with the CIELCh color 60, 48.260, 263.763.

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

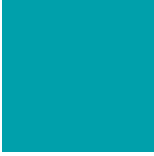
60, 48.274, 263.726

Protanopia

60, 44.297, 285.657

Deuteranopia

60, 49.991, 280.358



Tritanopia
60, 34.209, 207.223

Trichromacy



Original Color
60, 48.274, 263.726

Protanomaly
59, 46.091, 273.786

Deuteranomaly
60, 49.277, 272.533

Tritanomaly
60, 35.148, 231.936

Monochromacy



Original Color
60, 48.274, 263.726

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 22.196, 245.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 48.260, 263.763 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(12, 152, 229)` looks like.

```
.text, #text, p{  
    color:rgb(12, 152, 229)  
}
```

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(12, 152, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 152, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 48.260, 263.763 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(12, 152, 229) }
```

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

```
.border{ border-color:rgb(12, 152, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 152, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 152, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 152, 229);  
box-shadow:4px 4px 4px 4px rgb(12, 152,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 48.260, 263.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 152, 229) }
```

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

```
.background{ background-color: rgb(12, 152,  
229) }
```

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