

Converting Colors

CIELCh(50, 99.720, 220.000)

Have a look what the booklet for
CIELCh(50, 99.720, 220.000)
contains.

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Color

CIELCh(60, 48.393, 263.580)

Conversions

Conversions Part 1

Format	Color
Hex	0698E5
RGB	6, 152, 229
RGB Percent	2%, 60%, 90%
CMY	0.9783, 0.4042, 0.1019
CMYK	0.98, 0.34, 0.00, 0.10
HSL	201°, 95%, 46%
HSV	201°, 98%, 90%
XYZ	25.4275, 28.1233, 78.2225
YIQ	117.1240, -111.7330, -7.0050

Conversions

Conversions Part 2

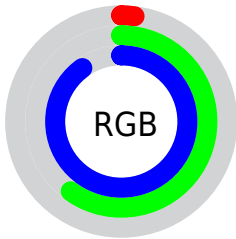
Format	Color
R _Y B	6, 94, 229
Decimal	432357
CIE Lab	60.00, -5.41, -48.09
CIE LCh	60, 48.393, 263.580
Yxy	28.1233, 0.1930, 0.2134
Android (android.graphics.Color)	4278622437 (0xFF0698E5)
YUV	117.1240, 55.1549, -97.4557
Hunter-Lab	53.0314, -7.2178, -50.3320

Details

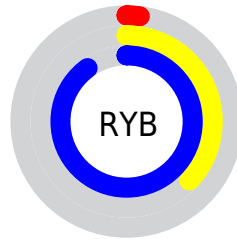
The CIELCh color **60, 48.393, 263.580** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **55, 83.880, 49.634**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 36.174, 244.982**, and **42, 44.810, 273.498** is the 20% darker color. If you saturate the color by 10%, you get **59, 49.226, 264.794**, and if you desaturate by 10%, it is **62, 45.035, 258.513**.

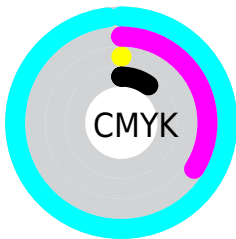
Distribution



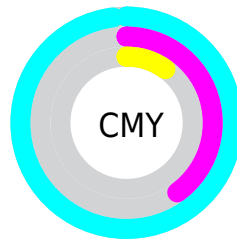
- Red (2%)
- Green (60%)
- Blue (90%)



- Red (2%)
- Yellow (37%)
- Blue (90%)



- Cyan (98%)
- Magenta (34%)
- Yellow (0%)
- Black (10%)



- Cyan (98%)
- Magenta (40%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 48.393, 263.580 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, 48.393, 263.580 by changing the saturation by 10% instead.


 60, 48.393,
263.580

 60, 48.393,
263.580


 100, 48.393,
263.580


 50, 48.393,
263.580


 80, 48.393,
263.580

 40, 48.393,
263.580

 90, 48.393,
263.580

 30, 48.393,
263.580

 20, 48.393,
263.580

 10, 48.393,
263.580

 0, 48.393, 263.580

 60, 48.393,

 60, 48.393,

263.580

263.580

■ 59, 49.226,
264.794

■ 62, 45.035,
258.513

■ 65, 41.517,
253.972

■ 68, 37.652,
250.085

■ 71, 33.332,
246.850

■ 74, 28.518,
244.207

■ 78, 23.226,
242.071

■ 81, 17.502,
240.357

■ 85, 11.410,
238.990

Harmonies

Complementary

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



60, 48.393, 263.580



55, 83.880, 49.634

Rectangle

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



60, 48.393, 263.580



60, 48.393, 313.580



60, 48.393, 83.580



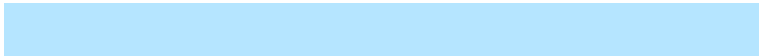
60, 48.393, 133.580

Sweetspot

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



60, 48.392, 263.581



89, 19.994, 240.603



80, 94.769, 142.372



46, 13.569, 241.317



0, 0.000, 0.000



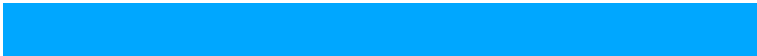
53, 0.007, 296.813

Same Dimension

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



60, 48.392, 263.581



66, 53.603, 265.129



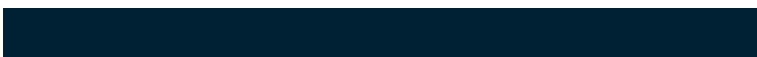
33, 110.585, 303.264



46, 3.749, 238.106



47, 40.430, 263.874



12, 15.508, 254.431

Inverse Universe

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



51, 82.563, 348.125



56, 89.513, 348.876



79, 79.592, 90.827



45, 6.519, 336.803



39, 68.785, 348.262



7, 29.731, 344.247

Previews

White Background



This preview shows how the CIE LCh color 60, 48.393, 263.580 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, 48.393, 263.580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

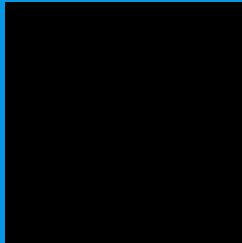
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

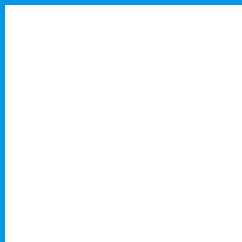
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 48.393, 263.580

Background



This preview shows how black text looks on a background with the CIELCh color 60, 48.393, 263.580.



This preview shows how white text looks on a background with the CIELCh color 60, 48.393, 263.580.

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
60, 34.209, 207.223

Trichromacy



Original Color
60, 48.351, 263.534



Protanomaly
59, 46.196, 273.365



Deuteranomaly
60, 49.408, 272.073



Tritanomaly
60, 35.205, 231.869

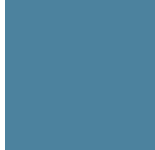
Monochromacy



Original Color
60, 48.351, 263.534



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 22.714, 244.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 48.393, 263.580 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(6, 152, 229)` looks like.

```
.text, #text, p{  
    color:rgb(6, 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(6, 152, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 152, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 48.393, 263.580 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(6, 152, 229) }
```

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

```
.border{ border-color:rgb(6, 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(6, 152, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 152, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 152, 229);  
box-shadow:4px 4px 4px 4px rgb(6, 152,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 48.393, 263.580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 152, 229) }
```

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

```
.background{ background-color: rgb(6, 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](#).

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