

Converting Colors

CIELCh(63, 48.843, 261.677)

Have a look what the booklet for
CIELCh(63, 48.843, 261.677)
contains.

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Color

CIELCh(63, 48.711, 261.423)

Conversions

Conversions Part 1

Format	Color
Hex	04A1EE
RGB	4, 161, 238
RGB Percent	2%, 63%, 93%
CMY	0.9860, 0.3696, 0.0677
CMYK	0.98, 0.32, 0.00, 0.07
HSL	200°, 97%, 47%
HSV	200°, 98%, 93%
XYZ	28.1416, 31.5869, 85.3027
YIQ	122.8350, -118.2890, -9.3370

Conversions

Conversions Part 2

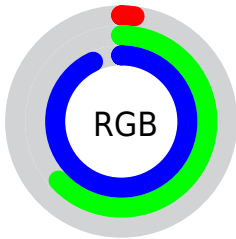
Format	Color
RYB	4, 98, 238
Decimal	303598
CIELab	63.00, -7.26, -48.17
CIELCh	63, 48.711, 261.423
Yxy	31.5869, 0.1940, 0.2178
Android (android.graphics.Color)	4278493678 (0xFF04A1EE)
YUV	122.8350, 56.7763, -104.2183
Hunter-Lab	56.2022, -8.9753, -50.6477

Details

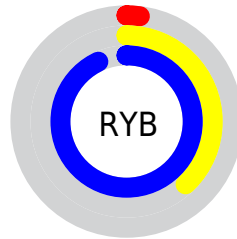
The CIELCh color **63, 48.711, 261.423** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **56, 87.769, 48.525**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.746, 234.743**, and **45, 45.296, 271.676** is the 20% darker color. If you saturate the color by 10%, you get **63, 49.194, 262.180**, and if you desaturate by 10%, it is **65, 45.587, 256.340**.

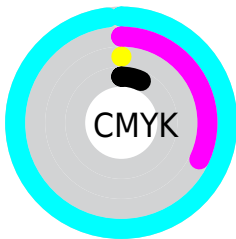
Distribution



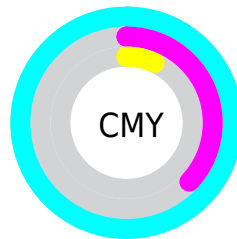
- Red (2%)
- Green (63%)
- Blue (93%)



- Red (2%)
- Yellow (38%)
- Blue (93%)



- Cyan (98%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)





- Cyan (99%)
- Magenta (37%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 48.711, 261.423 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 63, 48.711, 261.423 by changing the saturation by 10% instead.


 63, 48.711,
261.423

 63, 48.711,
261.423


 100, 48.711,
261.423


 53, 48.711,
261.423


 83, 48.711,
261.423


 43, 48.711,
261.423


 93, 48.711,
261.423

 33, 48.711,
261.423

 23, 48.711,
261.423

 13, 48.711,
261.423

 3, 48.711, 261.423

 0, 48.711, 261.423

■ 63, 48.711,
261.423

■ 63, 48.711,
261.423

■ 63, 49.194,
262.180

■ 65, 45.587,
256.340

■ 68, 42.278,
251.786

■ 71, 38.574,
247.905

■ 74, 34.358,
244.690

■ 77, 29.590,
242.076

■ 80, 24.287,
239.976

■ 84, 18.502,
238.301

■ 87, 12.305,

236.975

■ 91, 5.771, 235.956

Harmonies

Complementary

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



63, 48.711, 261.423



56, 87.769, 48.525

Rectangle

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



63, 48.711, 261.423



63, 48.711, 311.423



63, 48.711, 81.423



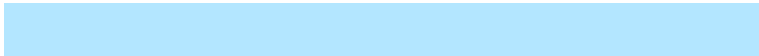
63, 48.711, 131.423

Sweetspot

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



63, 48.710, 261.424



89, 20.526, 238.546



83, 99.335, 141.603



46, 13.838, 239.234



0, 0.000, 0.000



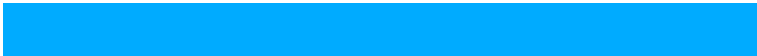
53, 0.007, 296.813

Same Dimension

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



63, 48.710, 261.424



67, 51.992, 262.395



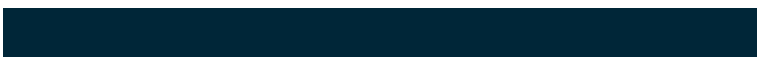
34, 112.970, 303.023



48, 3.877, 236.041



49, 40.142, 261.255



14, 16.277, 252.866

Inverse Universe

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



53, 85.724, 347.123



56, 90.351, 347.565



80, 81.320, 89.270



47, 6.835, 336.106



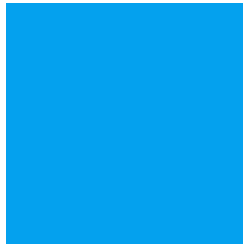
41, 70.870, 347.046



9, 31.836, 343.645

Previews

White Background



This preview shows how the CIE LCh color 63, 48.711, 261.423 looks on a white background.

Color Contrast Check

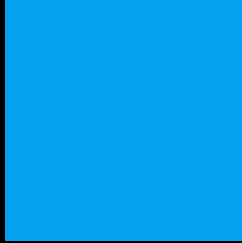
Large Text (above 18pt) WCAG AA × Fail

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 63, 48.711, 261.423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

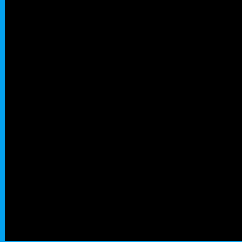
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

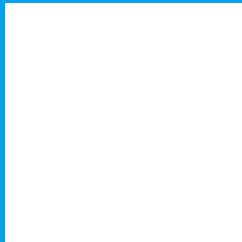
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 48.711, 261.423

Background



This preview shows how black text looks on a background with the CIELCh color 63, 48.711, 261.423.

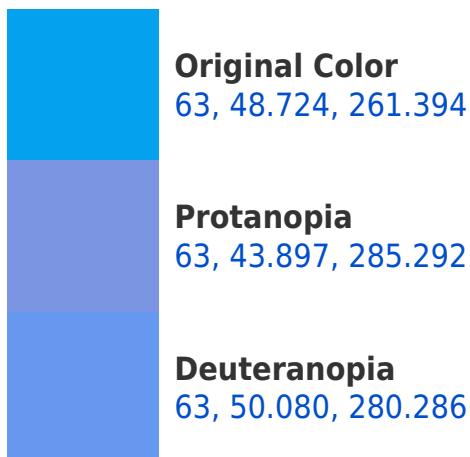


This preview shows how white text looks on a background with the CIELCh color 63, 48.711, 261.423.

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



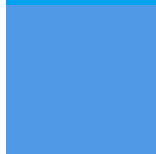


Tritanopia
63, 35.390, 208.673

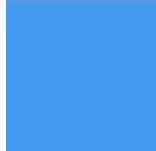
Trichromacy



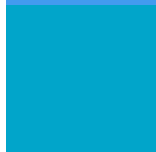
Original Color
63, 48.724, 261.394



Protanomaly
62, 46.154, 271.753



Deuteranomaly
62, 49.808, 271.068



Tritanomaly
63, 36.613, 232.160

Monochromacy



Original Color
63, 48.724, 261.394



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 23.211, 242.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 48.711, 261.423 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(4, 161, 238)` looks like.

```
.text, #text, p{  
    color:rgb(4, 161, 238)  
}
```

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(4, 161, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 161, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 48.711, 261.423 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(4, 161, 238) }
```

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

```
.border{ border-color:rgb(4, 161, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 161, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 161, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 161, 238);  
box-shadow:4px 4px 4px 4px rgb(4, 161,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 48.711, 261.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 161, 238) }
```

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

```
.background{ background-color: rgb(4, 161,  
238) }
```

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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