

Converting Colors

CIELCh(63, 47.637, 260.010)

Have a look what the booklet for
CIELCh(63, 47.637, 260.010)
contains.

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Color

CIELCh(63, 47.489, 259.852)

Conversions

Conversions Part 1

Format	Color
Hex	06A1EB
RGB	6, 161, 235
RGB Percent	2%, 63%, 92%
CMY	0.9765, 0.3680, 0.0778
CMYK	0.97, 0.31, 0.00, 0.08
HSL	199°, 95%, 47%
HSV	199°, 97%, 92%
XYZ	27.8632, 31.5869, 83.3467
YIQ	123.0910, -116.1340, -9.8460

Conversions

Conversions Part 2

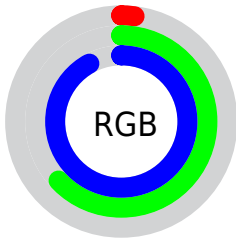
Format	Color
R _{YB}	6, 98, 235
Decimal	434667
CIE Lab	63.00, -8.37, -46.75
CIE LCh	63, 47.489, 259.852
Yxy	31.5869, 0.1951, 0.2212
Android (android.graphics.Color)	4278624747 (0xFF06A1EB)
YUV	123.0910, 55.1711, -102.6888
Hunter-Lab	56.2022, -9.8595, -48.5842

Details

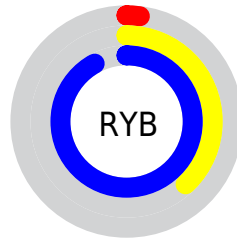
The CIELCh color **63, 47.489, 259.852** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **56, 86.595, 48.388**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.899, 234.546**, and **45, 43.805, 270.164** is the 20% darker color. If you saturate the color by 10%, you get **62, 48.264, 261.137**, and if you desaturate by 10%, it is **65, 44.507, 254.821**.

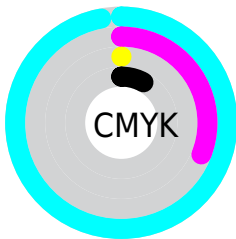
Distribution



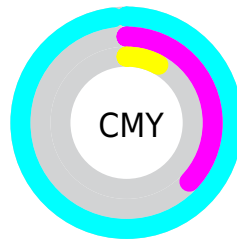
- Red (2%)
- Green (63%)
- Blue (92%)



- Red (2%)
- Yellow (38%)
- Blue (92%)



- Cyan (97%)
- Magenta (31%)
- Yellow (0%)
- Black (8%)



- Cyan (98%)
- Magenta (37%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 47.489, 259.852 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, 47.489, 259.852 by changing the saturation by 10% instead.


 63, 47.489,
259.852


 63, 47.489,
259.852


 100, 47.489,
259.852


 53, 47.489,
259.852


 83, 47.489,
259.852

 43, 47.489,
259.852

 93, 47.489,
259.852

 33, 47.489,
259.852

 23, 47.489,
259.852

 13, 47.489,
259.852

 3, 47.489, 259.852

 0, 47.489, 259.852

■ 63, 47.489,
259.852

■ 63, 47.489,
259.852

■ 62, 48.264,
261.137

■ 65, 44.507,
254.821

■ 68, 41.289,
250.370

■ 71, 37.644,
246.601

■ 74, 33.468,
243.493

■ 77, 28.729,
240.977

■ 80, 23.452,
238.961

■ 83, 17.694,
237.357

■ 87, 11.527,

236.093

■ 90, 5.027, 235.136

Harmonies

Complementary

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



63, 47.489, 259.852



56, 86.595, 48.388

Rectangle

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



63, 47.489, 259.852



63, 47.489, 309.852



63, 47.489, 79.852



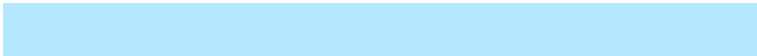
63, 47.489, 129.852

Sweetspot

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



63, 47.488, 259.853



89, 19.867, 237.600



82, 97.911, 141.816



46, 13.468, 238.267



0, 0.000, 0.000



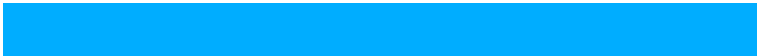
53, 0.007, 296.813

Same Dimension

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



63, 47.488, 259.853



67, 51.446, 261.386



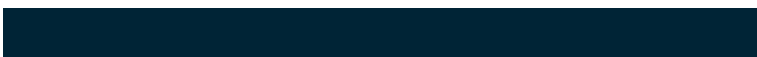
34, 110.970, 302.775



47, 3.807, 235.299



49, 39.305, 260.190



13, 15.634, 251.377

Inverse Universe

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



52, 85.307, 346.430



56, 90.662, 347.105



80, 80.491, 89.428



46, 6.743, 335.858



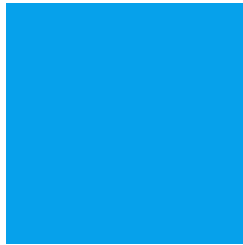
40, 70.393, 346.575



8, 31.063, 343.105

Previews

White Background



This preview shows how the CIE LCh color 63, 47.489, 259.852 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 CIELCh color 63, 47.489, 259.852 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

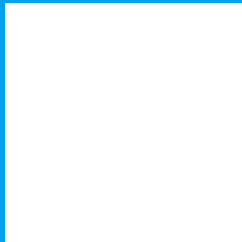
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 47.489, 259.852

Background



This preview shows how black text looks on a background with the CIELCh color 63, 47.489, 259.852.

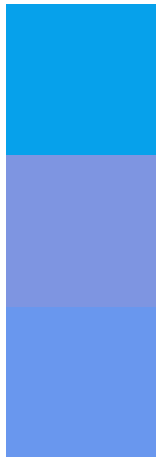


This preview shows how white text looks on a background with the CIELCh color 63, 47.489, 259.852.

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](#).

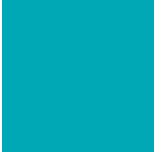
Dichromacy



Original Color
63, 47.476, 259.882

Protanopia
63, 42.746, 285.596

Deuteranopia
63, 49.432, 281.070



Tritanopia
63, 35.390, 208.673

Trichromacy



Original Color
63, 47.476, 259.882



Protanomaly
62, 45.066, 271.370



Deuteranomaly
62, 48.711, 270.749



Tritanomaly
63, 36.375, 230.185

Monochromacy



Original Color
63, 47.476, 259.882



Achromatopsia
52, 0.007, 296.813



Achromatomaly
54, 22.896, 241.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 47.489, 259.852 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, 161, 235)` looks like.

```
.text, #text, p{  
    color:rgb(6, 161, 235)  
}
```

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, 161, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 161, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 47.489, 259.852 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, 161, 235) }
```

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

```
.border{ border-color:rgb(6, 161, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 161, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 161, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 161, 235);  
box-shadow:4px 4px 4px 4px rgb(6, 161,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 47.489, 259.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 161, 235) }
```

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

```
.background{ background-color: rgb(6, 161,  
235) }
```

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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