

Converting Colors

CIELCh(63, 50.665, 264.359)

Have a look what the booklet for
CIELCh(63, 50.665, 264.359)
contains.

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Color

CIELCh(63, 50.683, 264.327)

Conversions

Conversions Part 1

Format	Color
Hex	0CA0F2
RGB	12, 160, 242
RGB Percent	5%, 63%, 95%
CMY	0.9512, 0.3730, 0.0515
CMYK	0.95, 0.34, 0.00, 0.05
HSL	201°, 90%, 50%
HSV	201°, 95%, 95%
XYZ	28.7167, 31.5869, 88.4903
YIQ	125.0960, -114.5300, -5.8740

Conversions

Conversions Part 2

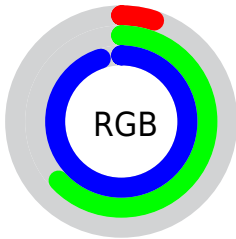
Format	Color
R _Y B	12, 102, 242
Decimal	827634
CIE Lab	63.00, -5.01, -50.43
CIE LCh	63, 50.683, 264.327
Yxy	31.5869, 0.1930, 0.2123
Android (android.graphics.Color)	4279017714 (0xFF0CA0F2)
YUV	125.0960, 57.6337, -99.1852
Hunter-Lab	56.2022, -7.1490, -54.0104

Details

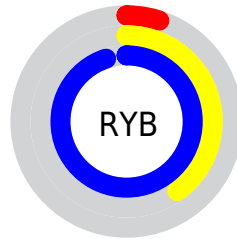
The CIELCh color **63, 50.683, 264.327** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **59, 85.222, 50.853**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 34.583, 237.339**, and **45, 47.326, 273.819** is the 20% darker color. If you saturate the color by 10%, you get **62, 52.654, 266.971**, and if you desaturate by 10%, it is **66, 46.900, 259.327**.

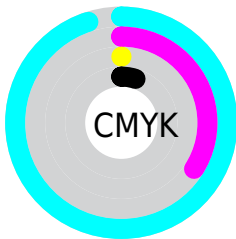
Distribution



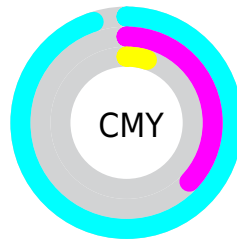
- Red (5%)
- Green (63%)
- Blue (95%)



- Red (5%)
- Yellow (40%)
- Blue (95%)



- Cyan (95%)
- Magenta (34%)
- Yellow (0%)
- Black (5%)





- Cyan (95%)
- Magenta (37%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 50.683, 264.327 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, 50.683, 264.327 by changing the saturation by 10% instead.


 63, 50.683,
264.327


 63, 50.683,
264.327


 100, 50.683,
264.327


 53, 50.683,
264.327


 83, 50.683,
264.327

 43, 50.683,
264.327

 93, 50.683,
264.327

 33, 50.683,
264.327

 23, 50.683,
264.327

 13, 50.683,
264.327

 3, 50.683, 264.327

 0, 50.683, 264.327

63, 50.683,
264.327

63, 50.683,
264.327

62, 52.654,
266.971

66, 46.900,
259.327

69, 42.931,
254.888

72, 38.602,
251.101

75, 33.816,
247.953

79, 28.544,
245.379

82, 22.808,
243.295

86, 16.659,
241.618

90, 10.162,

240.279

■ 94, 3.383, 239.287

Harmonies

Complementary

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



63, 50.683, 264.327



59, 85.222, 50.853

Rectangle

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



63, 50.683, 264.327



63, 50.683, 314.327



63, 50.683, 84.327



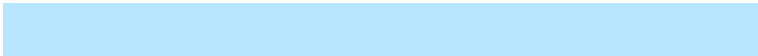
63, 50.683, 134.327

Sweetspot

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



63, 50.682, 264.328



89, 19.442, 242.119



84, 96.076, 143.454



46, 13.283, 242.849



0, 0.000, 0.000



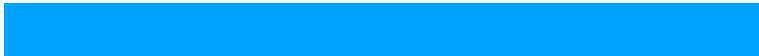
53, 0.007, 296.813

Same Dimension

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



63, 50.682, 264.328



65, 54.912, 267.131



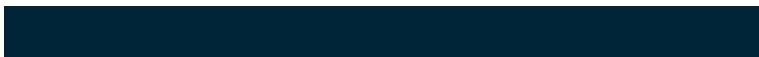
35, 114.664, 303.205



48, 3.895, 239.688



47, 42.313, 265.995



13, 16.907, 257.515

Inverse Universe

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



54, 85.405, 348.489



56, 88.909, 349.903



84, 83.330, 92.473



47, 6.697, 337.354



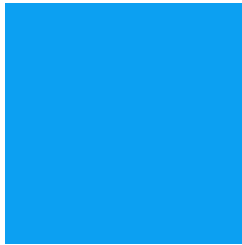
40, 69.735, 349.313



9, 31.336, 345.446

Previews

White Background



This preview shows how the CIE LCh color 63, 50.683, 264.327 looks on a white background.

Color Contrast Check

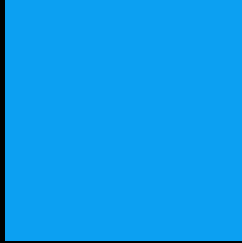
Large Text (above 18pt) WCAG AA × Fail

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, 50.683, 264.327 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

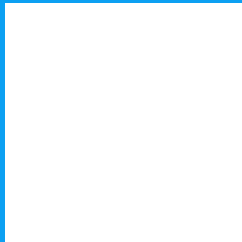
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 50.683, 264.327

Background



This preview shows how black text looks on a background with the CIELCh color 63, 50.683, 264.327.

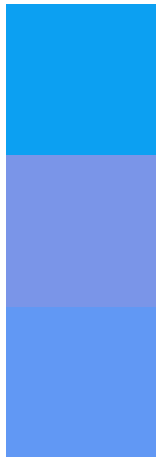


This preview shows how white text looks on a background with the CIELCh color 63, 50.683, 264.327.

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, 50.696, 264.295

Protanopia

63, 46.666, 285.620

Deuteranopia

63, 52.375, 280.207

Trichromacy



Original Color
63, 50.696, 264.295

Protanomaly
62, 48.502, 274.047

Deuteranomaly
63, 51.731, 272.577

Monochromacy



Original Color
63, 50.696, 264.295

Achromatopsia
52, 0.007, 296.813

Achromatomaly
55, 23.367, 246.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 50.683, 264.327 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, 160, 242)` looks like.

```
.text, #text, p{  
    color:rgb(12, 160, 242)  
}
```

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, 160, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 160, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 50.683, 264.327 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, 160, 242) }
```

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

```
.border{ border-color:rgb(12, 160, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 160, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 160, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 160, 242);  
box-shadow:4px 4px 4px 4px rgb(12, 160,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 50.683, 264.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 160, 242) }
```

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

```
.background{ background-color: rgb(12, 160,  
242) }
```

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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