

Converting Colors

CIELCh(64, 51.139, 263.715)

Have a look what the booklet for
CIELCh(64, 51.139, 263.715)
contains.

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Color

CIELCh(64, 50.889, 263.405)

Conversions

Conversions Part 1

Format	Color
Hex	04A3F5
RGB	4, 163, 245
RGB Percent	2%, 64%, 96%
CMY	0.9847, 0.3609, 0.0393
CMYK	0.98, 0.33, 0.00, 0.04
HSL	200°, 97%, 49%
HSV	200°, 98%, 96%
XYZ	29.6184, 32.8017, 91.1357
YIQ	124.8070, -121.0860, -8.2060

Conversions

Conversions Part 2

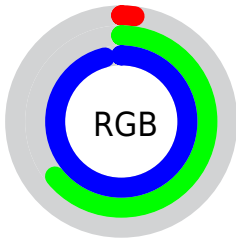
Format	Color
RYB	4, 100, 245
Decimal	304117
CIELab	64.00, -5.84, -50.55
CIELCh	64, 50.889, 263.405
Yxy	32.8017, 0.1929, 0.2136
Android (android.graphics.Color)	4278494197 (0xFF04A3F5)
YUV	124.8070, 59.2551, -105.9477
Hunter-Lab	57.2727, -7.9166, -54.2548

Details

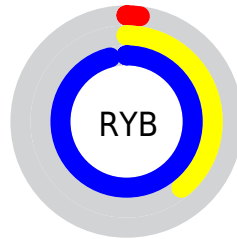
The CIELCh color **64, 50.889, 263.405** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **58, 89.230, 49.118**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.498, 232.751**, and **46, 47.307, 272.998** is the 20% darker color. If you saturate the color by 10%, you get **64, 51.454, 264.214**, and if you desaturate by 10%, it is **67, 47.447, 258.284**.

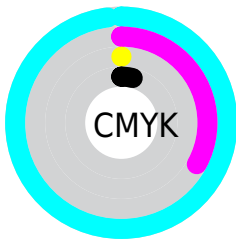
Distribution



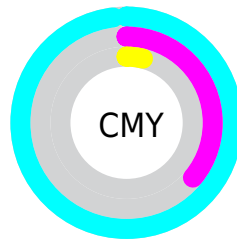
- Red (2%)
- Green (64%)
- Blue (96%)



- Red (2%)
- Yellow (39%)
- Blue (96%)



- Cyan (98%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)




- Cyan (98%)
- Magenta (36%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 50.889, 263.405 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 64, 50.889, 263.405 by changing the saturation by 10% instead.

 64, 50.889,
263.405


 64, 50.889,
263.405

 100, 50.889,
263.405


 54, 50.889,
263.405


 84, 50.889,
263.405

 44, 50.889,
263.405

 94, 50.889,
263.405

 34, 50.889,
263.405

 24, 50.889,
263.405

 14, 50.889,
263.405

 4, 50.889, 263.405

 0, 50.889, 263.405

■ 64, 50.889,
263.405

■ 64, 50.889,
263.405

■ 64, 51.454,
264.214

■ 67, 47.447,
258.284

■ 69, 43.851,
253.673

■ 72, 39.889,
249.721

■ 75, 35.437,
246.433

■ 79, 30.451,
243.749

■ 82, 24.941,
241.584

■ 86, 18.960,
239.850

■ 90, 12.574,

238.470

■ 93, 5.857, 237.403

Harmonies

Complementary

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



64, 50.889, 263.405



58, 89.230, 49.118

Rectangle

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



64, 50.889, 263.405



64, 50.889, 313.405



64, 50.889, 83.405



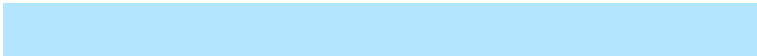
64, 50.889, 133.405

Sweetspot

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



64, 50.888, 263.406



88, 20.597, 240.111



85, 100.388, 142.131



45, 13.894, 240.822



0, 0.000, 0.000



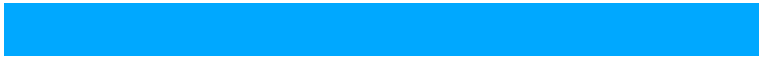
53, 0.007, 296.813

Same Dimension

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



64, 50.888, 263.406



66, 53.114, 264.335



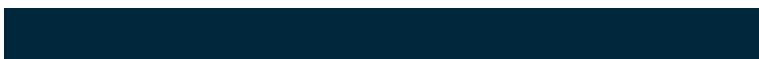
35, 117.508, 303.518



49, 3.949, 237.501



49, 41.423, 263.249



14, 17.062, 255.240

Inverse Universe

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



54, 87.091, 348.040



56, 89.755, 348.485



83, 83.886, 90.671



48, 6.898, 336.599



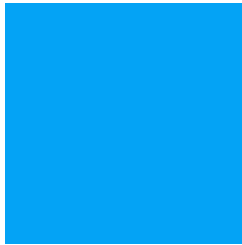
41, 71.114, 347.964



10, 32.495, 344.542

Previews

White Background



This preview shows how the CIELCh color 64, 50.889, 263.405 looks on a white background.

Color Contrast Check

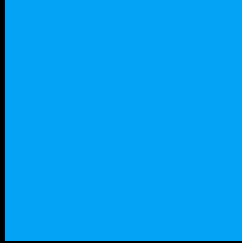
Large Text (above 18pt) WCAG AA × Fail

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 64, 50.889, 263.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

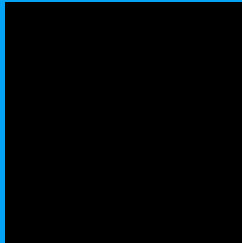
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

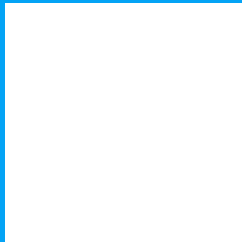
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 50.889, 263.405

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.889, 263.405.



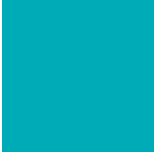
This preview shows how white text looks on a background with the CIELCh color 64, 50.889, 263.405.

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
64, 35.865, 208.468

Trichromacy



Original Color
64, 50.889, 263.405



Protanomaly
63, 49.129, 273.443



Deuteranomaly
63, 52.282, 272.290



Tritanomaly
64, 37.172, 232.496

Monochromacy



Original Color
64, 50.889, 263.405



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 24.031, 244.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.889, 263.405 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, 163, 245)` looks like.

```
.text, #text, p{  
    color:rgb(4, 163, 245)  
}
```

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, 163, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 163, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.889, 263.405 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, 163, 245) }
```

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

```
.border{ border-color:rgb(4, 163, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 163, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 163, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 163, 245);  
box-shadow:4px 4px 4px 4px rgb(4, 163,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.889, 263.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 163, 245) }
```

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

```
.background{ background-color: rgb(4, 163,  
245) }
```

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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