

Converting Colors

CIELCh(54, 99.281, 222.450)

Have a look what the booklet for
CIELCh(54, 99.281, 222.450)
contains.

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Color

CIELCh(64, 51.326, 263.986)

Conversions

Conversions Part 1

Format	Color
Hex	05A3F6
RGB	5, 163, 246
RGB Percent	2%, 64%, 96%
CMY	0.9794, 0.3616, 0.0358
CMYK	0.98, 0.34, 0.00, 0.04
HSL	201°, 96%, 49%
HSV	201°, 98%, 96%
XYZ	29.7410, 32.8017, 91.8502
YIQ	125.2200, -120.8110, -7.6830

Conversions

Conversions Part 2

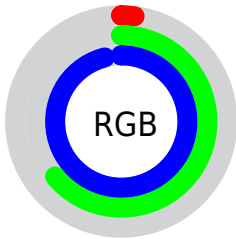
Format	Color
R _Y B	5, 100, 246
Decimal	369654
CIE Lab	64.00, -5.38, -51.04
CIE LCh	64, 51.326, 263.986
Yxy	32.8017, 0.1926, 0.2125
Android (android.graphics.Color)	4278559734 (0xFF05A3F6)
YUV	125.2200, 59.5445, -105.4329
Hunter-Lab	57.2727, -7.5344, -54.9944

Details

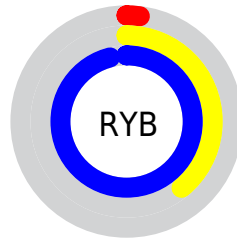
The CIELCh color **64, 51.326, 263.986** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **59, 88.870, 49.498**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.339, 232.945**, and **46, 47.813, 273.445** is the 20% darker color. If you saturate the color by 10%, you get **63, 52.110, 265.074**, and if you desaturate by 10%, it is **67, 47.765, 258.869**.

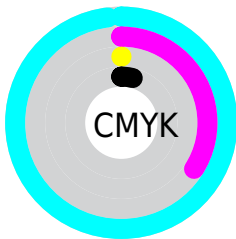
Distribution



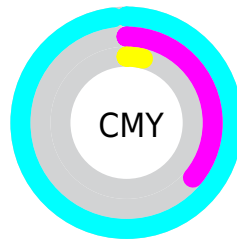
- Red (2%)
- Green (64%)
- Blue (96%)



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



- Cyan (98%)
- Magenta (34%)
- Yellow (0%)
- Black (4%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 51.326, 263.986 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, 51.326, 263.986 by changing the saturation by 10% instead.

 64, 51.326,
263.986

 64, 51.326,
263.986


 100, 51.326,
263.986


 54, 51.326,
263.986


 84, 51.326,
263.986

 44, 51.326,
263.986

 94, 51.326,
263.986

 34, 51.326,
263.986

 24, 51.326,
263.986

 14, 51.326,
263.986

 4, 51.326, 263.986

 0, 51.326, 263.986

■ 64, 51.326,
263.986

■ 64, 51.326,
263.986

■ 63, 52.110,
265.074

■ 67, 47.765,
258.869

■ 69, 44.049,
254.272

■ 72, 39.974,
250.331

■ 76, 35.420,
247.048

■ 79, 30.343,
244.366

■ 83, 24.756,
242.199

■ 86, 18.708,
240.461

■ 90, 12.266,

239.076

■ 94, 5.503, 238.006

Harmonies

Complementary

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



64, 51.326, 263.986



59, 88.870, 49.498

Rectangle

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



64, 51.326, 263.986



64, 51.326, 313.986



64, 51.326, 83.986



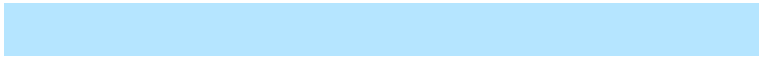
64, 51.326, 133.986

Sweetspot

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



64, 51.325, 263.987



89, 19.997, 240.649



85, 100.366, 142.235



46, 13.570, 241.363



0, 0.000, 0.000



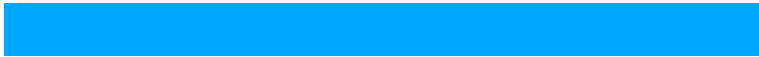
53, 0.007, 296.813

Same Dimension

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



64, 51.325, 263.987



66, 53.637, 265.184



35, 117.326, 303.409



49, 3.953, 238.155



49, 41.817, 264.099



14, 17.181, 256.076

Inverse Universe

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



54, 87.074, 348.319



56, 89.496, 348.904



84, 84.040, 90.740



48, 6.873, 336.823



41, 70.909, 348.371



9, 32.403, 344.868

Previews

White Background



This preview shows how the CIE LCh color 64, 51.326, 263.986 looks on a white background.

Color Contrast Check

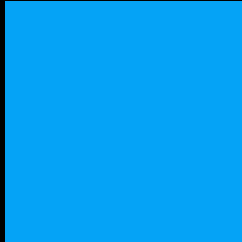
Large Text (above 18pt) WCAG AA × Fail

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 64, 51.326, 263.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

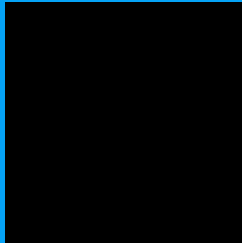
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

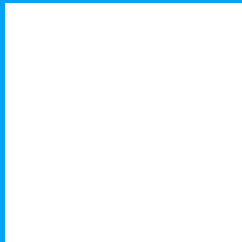
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 51.326, 263.986

Background



This preview shows how black text looks on a background with the CIELCh color 64, 51.326, 263.986.

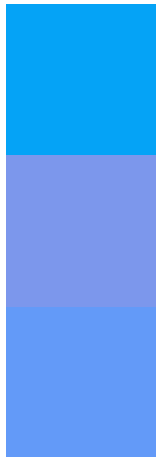


This preview shows how white text looks on a background with the CIELCh color 64, 51.326, 263.986.

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

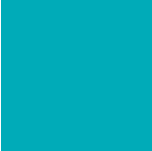
64, 51.302, 263.901

Protanopia

64, 47.641, 285.906

Deuteranopia

64, 53.314, 280.573



Tritanopia
64, 35.865, 208.468

Trichromacy



Original Color
64, 51.302, 263.901



Protanomaly
63, 49.571, 273.987



Deuteranomaly
63, 52.763, 272.650



Tritanomaly
64, 37.147, 232.525

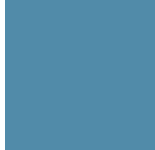
Monochromacy



Original Color
64, 51.302, 263.901



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, 51.326, 263.986 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(5, 163, 246)` looks like.

```
.text, #text, p{  
    color:rgb(5, 163, 246)  
}
```

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(5, 163, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 163, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 51.326, 263.986 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(5, 163, 246) }
```

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

```
.border{ border-color:rgb(5, 163, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 163, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 163, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 163, 246);  
box-shadow:4px 4px 4px 4px rgb(5, 163,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 51.326, 263.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 163, 246) }
```

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

```
.background{ background-color: rgb(5, 163,  
246) }
```

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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