

Converting Colors

CIELCh(63, 53.007, 266.221)

Have a look what the booklet for
CIELCh(63, 53.007, 266.221)
contains.

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Color

CIELCh(63, 52.984, 266.438)

Conversions

Conversions Part 1

Format	Color
Hex	029FF6
RGB	2, 159, 246
RGB Percent	1%, 62%, 96%
CMY	0.9921, 0.3753, 0.0340
CMYK	0.99, 0.35, 0.00, 0.03
HSL	201°, 98%, 49%
HSV	201°, 99%, 97%
XYZ	29.1601, 31.5869, 92.0165
YIQ	121.9750, -121.4990, -6.2270

Conversions

Conversions Part 2

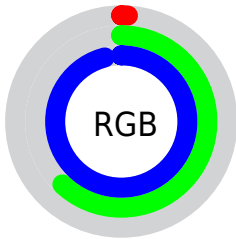
Format	Color
R _Y B	2, 98, 246
Decimal	172022
CIE Lab	63.00, -3.29, -52.88
CIE LCh	63, 52.984, 266.438
Yxy	31.5869, 0.1909, 0.2068
Android (android.graphics.Color)	4278362102 (0xFF029FF6)
YUV	121.9750, 61.1443, -105.2181
Hunter-Lab	56.2022, -5.7405, -57.7303

Details

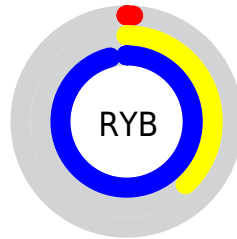
The CIELCh color **63, 52.984, 266.438** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **59, 89.334, 49.892**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 34.824, 238.214**, and **45, 49.925, 276.197** is the 20% darker color. If you saturate the color by 10%, you get **63, 53.308, 266.853**, and if you desaturate by 10%, it is **66, 49.165, 261.296**.

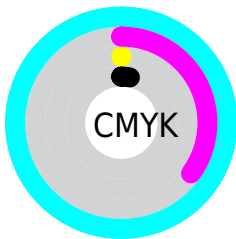
Distribution



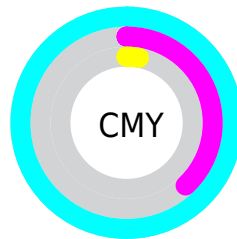
- Red (1%)
- Green (62%)
- Blue (96%)



- Red (1%)
- Yellow (38%)
- Blue (96%)



- Cyan (99%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)




- Cyan (99%)
- Magenta (38%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 52.984, 266.438 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, 52.984, 266.438 by changing the saturation by 10% instead.


 63, 52.984,
266.438


 63, 52.984,
266.438


 100, 52.984,
266.438


 53, 52.984,
266.438


 83, 52.984,
266.438

 43, 52.984,
266.438

 93, 52.984,
266.438

 33, 52.984,
266.438

 23, 52.984,
266.438

 13, 52.984,
266.438

 3, 52.984, 266.438

 0, 52.984, 266.438

■ 63, 52.984,
266.438

■ 63, 52.984,
266.438

■ 63, 53.308,
266.853

■ 66, 49.165,
261.296

■ 69, 45.267,
256.589

■ 72, 41.068,
252.513

■ 75, 36.436,
249.092

■ 78, 31.312,
246.279

■ 82, 25.699,
243.995

■ 86, 19.640,
242.154

■ 89, 13.195,

240.678

■ 93, 6.433, 239.520

Harmonies

Complementary

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



63, 52.984, 266.438



59, 89.334, 49.892

Rectangle

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



63, 52.984, 266.438



63, 52.984, 316.438



63, 52.984, 86.438



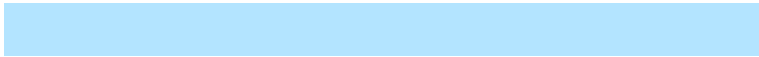
63, 52.984, 136.438

Sweetspot

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



63, 52.983, 266.439



88, 20.723, 242.300



85, 99.965, 142.541



45, 13.990, 243.043



0, 0.000, 0.000



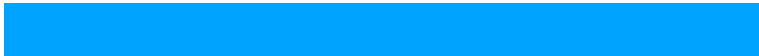
53, 0.007, 296.813

Same Dimension

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



63, 52.983, 266.439



65, 54.793, 266.957



34, 120.496, 304.102



49, 3.961, 239.550



48, 42.688, 265.875



14, 17.447, 257.833

Inverse Universe

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



54, 86.681, 349.543



56, 88.961, 349.811



85, 85.123, 91.958



48, 6.819, 337.307



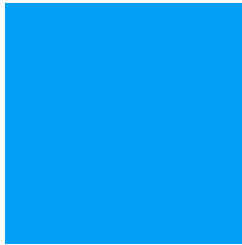
41, 70.482, 349.252



9, 32.209, 345.577

Previews

White Background



This preview shows how the CIELCh color 63, 52.984, 266.438 looks on a white background.

Color Contrast Check

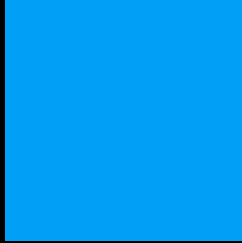
Large Text (above 18pt) WCAG AA × Fail

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, 52.984, 266.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

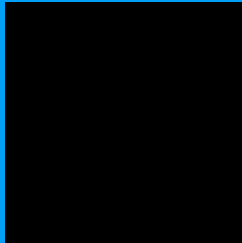
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

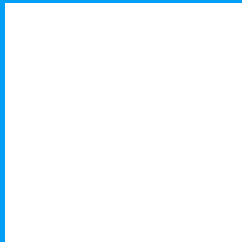
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 52.984, 266.438

Background



This preview shows how black text looks on a background with the CIELCh color 63, 52.984, 266.438.



This preview shows how white text looks on a background with the CIELCh color 63, 52.984, 266.438.

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



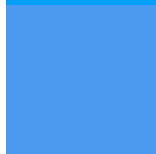


Tritanopia
63, 35.435, 207.702

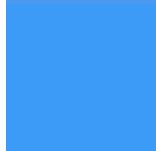
Trichromacy



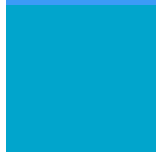
Original Color
63, 52.963, 266.492



Protanomaly
62, 50.774, 274.336



Deuteranomaly
63, 53.942, 273.081



Tritanomaly
63, 36.987, 233.950

Monochromacy



Original Color
63, 52.963, 266.492



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 24.379, 245.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 52.984, 266.438 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(2, 159, 246)` looks like.

```
.text, #text, p{  
    color:rgb(2, 159, 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(2, 159, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 159, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 52.984, 266.438 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(2, 159, 246) }
```

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

```
.border{ border-color:rgb(2, 159, 246) }
```

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

Here you see how a box with a 4 pixel rgb(2, 159, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 159, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 159, 246);  
box-shadow:4px 4px 4px 4px rgb(2, 159,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 52.984, 266.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 159, 246) }
```

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

```
.background{ background-color: rgb(2, 159,  
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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