

Converting Colors

CIELCh(66, 52.875, 263.934)

Have a look what the booklet for
CIELCh(66, 52.875, 263.934)
contains.

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Color

CIELCh(66, 52.794, 264.063)

Conversions

Conversions Part 1

Format	Color
Hex	02A8FE
RGB	2, 168, 254
RGB Percent	1%, 66%, 100%
CMY	0.9908, 0.3399, 0.0025
CMYK	0.99, 0.34, 0.00, 0.00
HSL	200°, 100%, 50%
HSV	200°, 99%, 100%
XYZ	32.0420, 35.3238, 99.2058
YIQ	128.1700, -126.5420, -8.4460

Conversions

Conversions Part 2

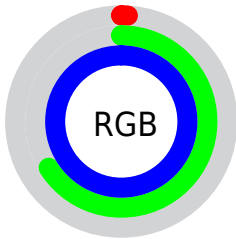
Format	Color
RYB	2, 102, 254
Decimal	174334
CIELab	66.00, -5.46, -52.51
CIELCh	66, 52.794, 264.063
Yxy	35.3238, 0.1924, 0.2121
Android (android.graphics.Color)	4278364414 (0xFF02A8FE)
YUV	128.1700, 62.0342, -110.6511
Hunter-Lab	59.4338, -7.7763, -57.3621

Details

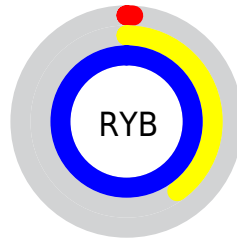
The CIELCh color **66, 52.794, 264.063** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **60, 92.293, 49.013**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 34.134, 227.618**, and **48, 49.810, 274.102** is the 20% darker color. If you saturate the color by 10%, you get **66, 53.136, 264.534**, and if you desaturate by 10%, it is **69, 49.216, 258.908**.

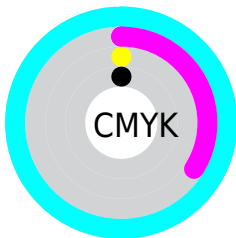
Distribution



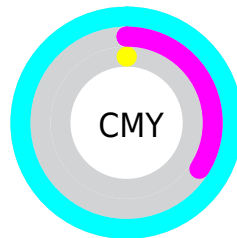
- Red (1%)
- Green (66%)
- Blue (100%)



- Red (1%)
- Yellow (40%)
- Blue (100%)



- Cyan (99%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 52.794, 264.063 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 66, 52.794, 264.063 by changing the saturation by 10% instead.


 66, 52.794,
264.063


 66, 52.794,
264.063


 100, 52.794,
264.063


 56, 52.794,
264.063


 86, 52.794,
264.063

 46, 52.794,
264.063

 96, 52.794,
264.063

 36, 52.794,
264.063

 26, 52.794,
264.063

 16, 52.794,
264.063

 6, 52.794, 264.063

 0, 52.794, 264.063

■ 66, 52.794,
264.063

■ 66, 52.794,
264.063

■ 66, 53.136,
264.534

■ 69, 49.216,
258.908

■ 72, 45.507,
254.231

■ 75, 41.439,
250.210

■ 78, 36.877,
246.857

■ 81, 31.767,
244.117

■ 85, 26.118,
241.904

■ 88, 19.978,
240.132

■ 92, 13.417,

238.720

■ 96, 6.511, 237.623

Harmonies

Complementary

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



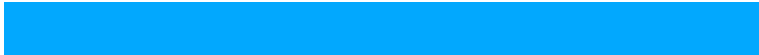
66, 52.794, 264.063



60, 92.293, 49.013

Rectangle

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



66, 52.794, 264.063



66, 52.794, 314.063



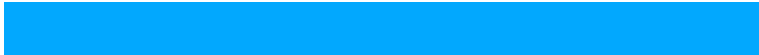
66, 52.794, 84.063



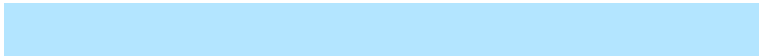
66, 52.794, 134.063

Sweetspot

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



66, 52.793, 264.064



88, 20.606, 240.280



88, 103.787, 141.958



45, 13.901, 240.994



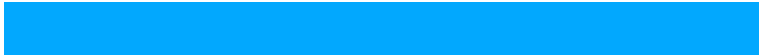
0, 0.000, 0.000



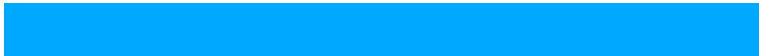
53, 0.007, 296.813

Same Dimension

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



66, 52.793, 264.064



66, 53.240, 264.542



36, 121.742, 303.696



51, 4.084, 237.664



50, 42.411, 263.563



16, 18.175, 256.313

Inverse Universe

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



56, 89.525, 348.355



56, 89.692, 348.586



86, 86.407, 90.557



50, 7.127, 336.656



42, 72.483, 348.113



11, 34.182, 344.963

Previews

White Background



This preview shows how the CIE LCh color 66, 52.794, 264.063 looks on a white background.

Color Contrast Check

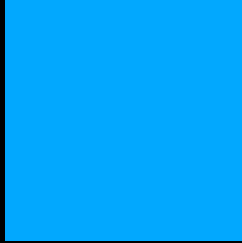
Large Text (above 18pt) WCAG AA × Fail

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 66, 52.794, 264.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

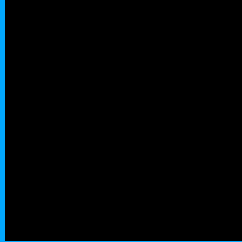
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

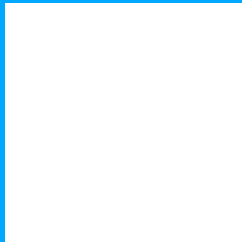
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 52.794, 264.063

Background



This preview shows how black text looks on a background with the CIELCh color 66, 52.794, 264.063.

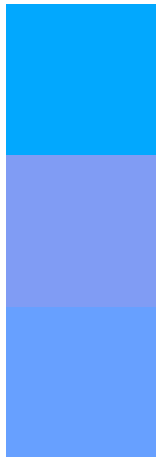


This preview shows how white text looks on a background with the CIELCh color 66, 52.794, 264.063.

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](#).

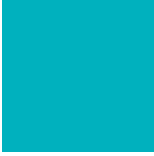
Dichromacy



Original Color
66, 52.772, 264.113

Protanopia
66, 49.026, 285.928

Deuteranopia
66, 53.620, 279.982



Tritanopia
66, 36.811, 208.078

Trichromacy



Original Color
66, 52.772, 264.113



Protanomaly
65, 51.068, 273.827



Deuteranomaly
65, 53.758, 272.014



Tritanomaly
66, 38.106, 232.277

Monochromacy



Original Color
66, 52.772, 264.113



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 25.020, 245.640

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 52.794, 264.063 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, 168, 254)` looks like.

```
.text, #text, p{  
    color:rgb(2, 168, 254)  
}
```

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, 168, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 168, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 52.794, 264.063 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, 168, 254) }
```

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

```
.border{ border-color:rgb(2, 168, 254) }
```

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

Here you see how a box with a 4 pixel rgb(2, 168, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 168, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 168, 254);  
box-shadow:4px 4px 4px 4px rgb(2, 168,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 52.794, 264.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 168, 254) }
```

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

```
.background{ background-color: rgb(2, 168,  
254) }
```

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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