

Converting Colors

CIELCh(66, 52.617, 263.496)

Have a look what the booklet for
CIELCh(66, 52.617, 263.496)
contains.

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Color

CIELCh(66, 52.404, 263.398)

Conversions

Conversions Part 1

Format	Color
Hex	00A9FE
RGB	0, 169, 254
RGB Percent	0%, 66%, 100%
CMY	1.0000, 0.3389, 0.0058
CMYK	1.00, 0.34, 0.00, 0.01
HSL	200°, 100%, 50%
HSV	200°, 100%, 99%
XYZ	31.8864, 35.3238, 98.5101
YIQ	128.1590, -128.0090, -9.3930

Conversions

Conversions Part 2

Format	Color
RYB	0, 101, 254
Decimal	43518
CIELab	66.00, -6.02, -52.06
CIELCh	66, 52.404, 263.398
Yxy	35.3238, 0.1924, 0.2132
Android (android.graphics.Color)	4278233598 (0xFF00A9FE)
YUV	128.1590, 62.0396, -112.3954
Hunter-Lab	59.4338, -8.2436, -56.6680

Details

The CIELCh color **66, 52.404, 263.398** 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, 93.015, 48.534**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 34.160, 226.520**, and **48, 49.297, 273.421** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.372, 263.470**, and if you desaturate by 10%, it is **69, 48.935, 258.314**.

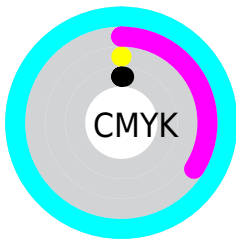
Distribution



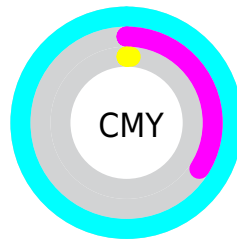
- Red (0%)
- Green (66%)
- Blue (100%)



- Red (0%)
- Yellow (40%)
- Blue (100%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (34%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 52.404, 263.398 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, 52.404, 263.398 by changing the saturation by 10% instead.

 66, 52.404,
263.398


 66, 52.404,
263.398


 100, 52.404,
263.398


 56, 52.404,
263.398


 86, 52.404,
263.398

 46, 52.404,
263.398

 96, 52.404,
263.398

 36, 52.404,
263.398

 26, 52.404,
263.398

 16, 52.404,
263.398

 6, 52.404, 263.398

 0, 52.404, 263.398

■ 66, 52.404,
263.398

■ 66, 52.404,
263.398

■ 66, 52.372,
263.470

■ 69, 48.935,
258.314

■ 71, 45.382,
253.605

■ 74, 41.465,
249.554

■ 78, 37.043,
246.177

■ 81, 32.058,
243.420

■ 84, 26.517,
241.198

■ 88, 20.469,
239.420

■ 92, 13.983,

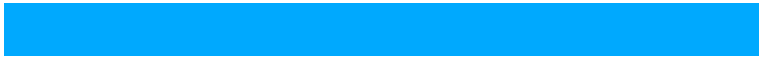
238.008

■ 96, 7.137, 236.908

Harmonies

Complementary

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



66, 52.404, 263.398



59, 93.015, 48.534

Rectangle

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



66, 52.404, 263.398



66, 52.404, 313.398



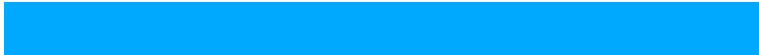
66, 52.404, 83.398



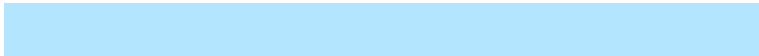
66, 52.404, 133.398

Sweetspot

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



66, 52.372, 263.470



88, 20.564, 239.422



88, 104.050, 141.783



46, 13.868, 240.123



0, 0.000, 0.000



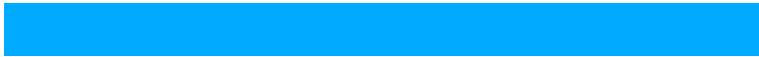
53, 0.007, 296.813

Same Dimension

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



66, 52.372, 263.470



66, 52.612, 263.487



36, 122.293, 303.872



51, 4.081, 236.862



51, 41.927, 262.508



16, 18.018, 255.276

Inverse Universe

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



56, 89.626, 348.068



56, 90.014, 348.077



86, 86.323, 90.439



50, 7.159, 336.384



42, 72.744, 347.617



11, 34.303, 344.555

Previews

White Background



This preview shows how the CIE LCh color 66, 52.404, 263.398 looks on a white background.

Color Contrast Check

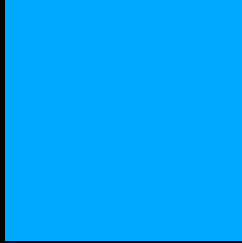
Large Text (above 18pt) WCAG AA × Fail

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, 52.404, 263.398 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

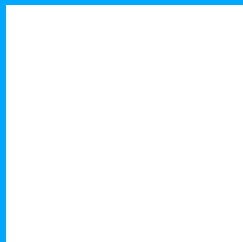
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 52.404, 263.398

Background



This preview shows how black text looks on a background with the CIELCh color 66, 52.404, 263.398.



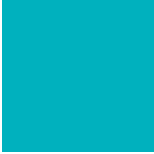
This preview shows how white text looks on a background with the CIELCh color 66, 52.404, 263.398.

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
66, 36.811, 208.078

Trichromacy



Original Color
66, 52.404, 263.398



Protanomaly
65, 50.109, 272.854



Deuteranomaly
65, 53.283, 271.657



Tritanomaly
66, 38.130, 232.250

Monochromacy



Original Color
66, 52.404, 263.398



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 25.011, 243.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 52.404, 263.398 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(0, 169, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 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(0, 169, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 52.404, 263.398 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(0, 169, 254) }
```

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

```
.border{ border-color:rgb(0, 169, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 52.404, 263.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 254) }
```

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

```
.background{ background-color: rgb(0, 169,  
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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