

Converting Colors

CIELCh(63, 63.093, 249.414)

Have a look what the booklet for
CIELCh(63, 63.093, 249.414)
contains.

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Color

CIELCh(66, 52.825, 263.851)

Conversions

Conversions Part 1

Format	Color
Hex	00A8FE
RGB	0, 168, 254
RGB Percent	0%, 66%, 100%
CMY	1.0000, 0.3394, 0.0024
CMYK	1.00, 0.34, 0.00, 0.00
HSL	200°, 100%, 50%
HSV	200°, 100%, 100%
XYZ	31.9874, 35.3238, 99.2216
YIQ	127.5720, -127.7340, -8.8700

Conversions

Conversions Part 2

Format	Color
RYB	0, 101, 254
Decimal	43262
CIELab	66.00, -5.66, -52.52
CIELCh	66, 52.825, 263.851
Yxy	35.3238, 0.1921, 0.2121
Android (android.graphics.Color)	4278233342 (0xFF00A8FE)
YUV	127.5720, 62.3290, -111.8806
Hunter-Lab	59.4338, -7.9401, -57.3778

Details

The CIELCh color **66, 52.825, 263.851** 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, 93.116, 48.674**, and the grayscale version is **53, 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, 52.784, 263.945**, and if you desaturate by 10%, it is **69, 49.276, 258.783**.

Distribution



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



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 52.825, 263.851 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, 52.825, 263.851 by changing the saturation by 10% instead.


 66, 52.825,
263.851


 66, 52.825,
263.851


 100, 52.825,
263.851


 56, 52.825,
263.851


 86, 52.825,
263.851

 46, 52.825,
263.851

 96, 52.825,
263.851

 36, 52.825,
263.851

 26, 52.825,
263.851

 16, 52.825,
263.851

 6, 52.825, 263.851

 0, 52.825, 263.851

■ 66, 52.825,
263.851

■ 66, 52.825,
263.851

■ 66, 52.784,
263.945

■ 69, 49.276,
258.783

■ 71, 45.660,
254.062

■ 74, 41.689,
249.996

■ 78, 37.221,
246.602

■ 81, 32.196,
243.828

■ 85, 26.621,
241.590

■ 88, 20.542,
239.798

■ 92, 14.029,

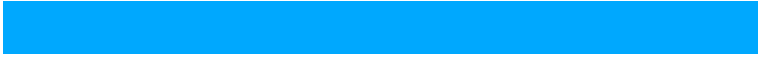
238.372

■ 96, 7.159, 237.260

Harmonies

Complementary

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



66, 52.825, 263.851



60, 93.116, 48.674

Rectangle

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



66, 52.825, 263.851



66, 52.825, 313.851



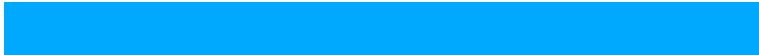
66, 52.825, 83.851



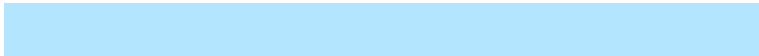
66, 52.825, 133.851

Sweetspot

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



66, 52.784, 263.945



88, 20.582, 239.798



88, 104.325, 141.779



46, 13.882, 240.505



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, 52.784, 263.945



66, 52.885, 263.952



36, 122.621, 303.875



51, 4.082, 237.213



51, 42.138, 262.972



16, 18.086, 255.732

Inverse Universe

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



56, 89.710, 348.296



56, 89.872, 348.299



86, 86.542, 90.436



50, 7.145, 336.503



42, 72.629, 347.833



11, 34.249, 344.733

Previews

White Background



This preview shows how the CIE LCh color 66, 52.825, 263.851 looks on a white background.

Color Contrast Check

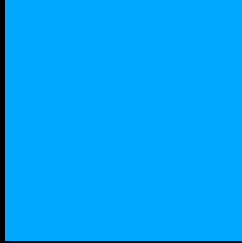
Large Text (above 18pt) WCAG AA × Fail

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 66, 52.825, 263.851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

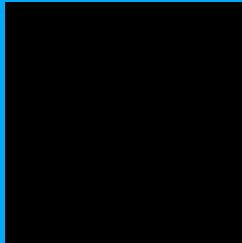
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

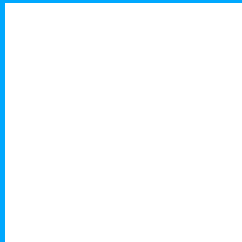
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 52.825, 263.851

Background



This preview shows how black text looks on a background with the CIELCh color 66, 52.825, 263.851.

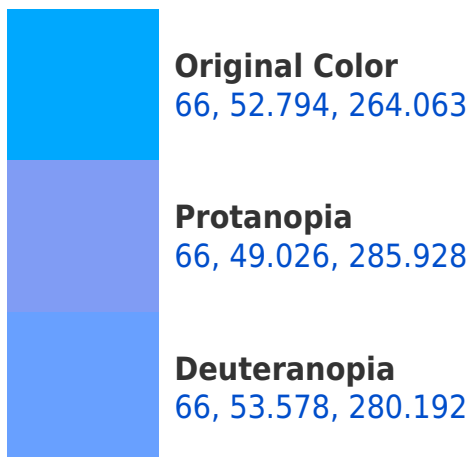


This preview shows how white text looks on a background with the CIELCh color 66, 52.825, 263.851.

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, 52.794, 264.063



Protanomaly
65, 50.645, 273.031



Deuteranomaly
65, 53.758, 272.014



Tritanomaly
66, 38.130, 232.250

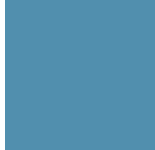
Monochromacy



Original Color
66, 52.794, 264.063



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, 52.825, 263.851 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, 168, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 168, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 52.825, 263.851 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, 168, 254) }
```

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

```
.border{ border-color:rgb(0, 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(0, 168, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 52.825, 263.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 254) }
```

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

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