

Converting Colors

CIELCh(65, 54.833, 267.015)

Have a look what the booklet for
CIELCh(65, 54.833, 267.015)
contains.

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Color

CIELCh(65, 54.402, 266.529)

Conversions

Conversions Part 1

Format	Color
Hex	02A5FF
RGB	2, 165, 255
RGB Percent	1%, 65%, 100%
CMY	0.9902, 0.3538, 0.0010
CMYK	0.99, 0.35, 0.00, 0.00
HSL	201°, 100%, 50%
HSV	201°, 99%, 100%
XYZ	31.4536, 34.0472, 99.3091
YIQ	126.5230, -126.0380, -6.5660

Conversions

Conversions Part 2

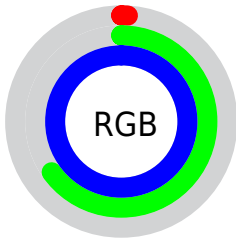
Format	Color
R _Y B	2, 101, 255
Decimal	173567
CIE Lab	65.00, -3.29, -54.30
CIE LCh	65, 54.402, 266.529
Yxy	34.0472, 0.1908, 0.2066
Android (android.graphics.Color)	4278363647 (0xFF02A5FF)
YUV	126.5230, 63.3392, -109.2067
Hunter-Lab	58.3500, -5.8919, -60.0640

Details

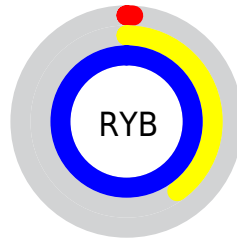
The CIELCh color **65, 54.402, 266.529** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **61, 91.579, 49.887**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 33.961, 231.119**, and **47, 51.372, 275.820** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.799, 267.026**, and if you desaturate by 10%, it is **68, 50.470, 261.369**.

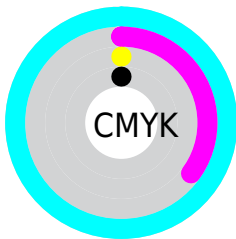
Distribution



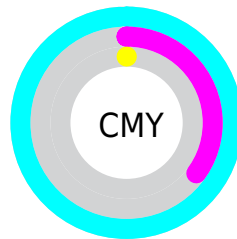
- Red (1%)
- Green (65%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 54.402, 266.529 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 65, 54.402, 266.529 by changing the saturation by 10% instead.


 65, 54.402,
266.529


 65, 54.402,
266.529


 100, 54.402,
266.529


 55, 54.402,
266.529


 85, 54.402,
266.529

 45, 54.402,
266.529

 95, 54.402,
266.529

 35, 54.402,
266.529

 25, 54.402,
266.529

 15, 54.402,
266.529

 5, 54.402, 266.529

 0, 54.402, 266.529

■ 65, 54.402,
266.529

■ 65, 54.402,
266.529

■ 65, 54.799,
267.026

■ 68, 50.470,
261.369

■ 71, 46.455,
256.653

■ 74, 42.132,
252.570

■ 77, 37.364,
249.143

■ 81, 32.091,
246.327

■ 84, 26.316,
244.040

■ 88, 20.082,
242.198

■ 92, 13.453,

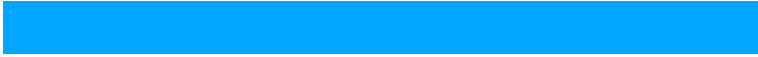
240.721

■ 96, 6.500, 239.564

Harmonies

Complementary

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



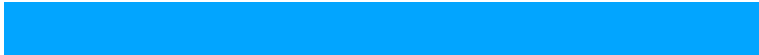
65, 54.402, 266.529



61, 91.579, 49.887

Rectangle

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



65, 54.402, 266.529



65, 54.402, 316.529



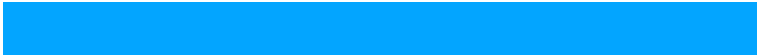
65, 54.402, 86.529



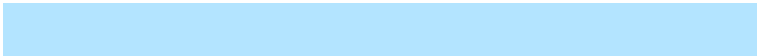
65, 54.402, 136.529

Sweetspot

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



65, 54.401, 266.530



88, 20.727, 242.361



88, 102.546, 142.533



45, 13.993, 243.105



0, 0.000, 0.000



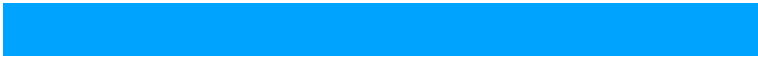
53, 0.007, 296.813

Same Dimension

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



65, 54.401, 266.530



65, 54.842, 267.028



36, 123.616, 304.109



51, 4.096, 239.612



49, 43.649, 266.053



15, 18.581, 258.783

Inverse Universe

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



56, 88.870, 349.591



56, 88.939, 349.849



87, 87.290, 91.955



50, 7.050, 337.330



42, 71.872, 349.343



11, 33.894, 345.972

Previews

White Background



This preview shows how the CIE LCh color 65, 54.402, 266.529 looks on a white background.

Color Contrast Check

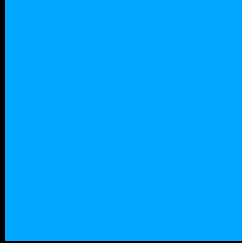
Large Text (above 18pt) WCAG AA × Fail

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 65, 54.402, 266.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

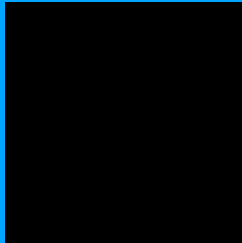
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

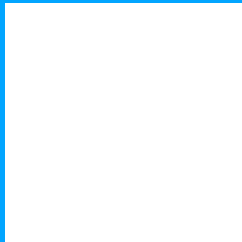
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 54.402, 266.529

Background



This preview shows how black text looks on a background with the CIELCh color 65, 54.402, 266.529.

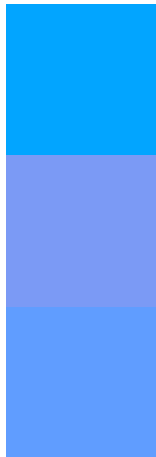


This preview shows how white text looks on a background with the CIELCh color 65, 54.402, 266.529.

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

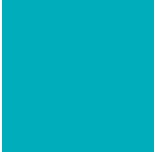
65, 54.421, 266.480

Protanopia

65, 50.832, 285.712

Deuteranopia

65, 55.473, 280.159



Tritanopia
65, 36.338, 208.270

Trichromacy



Original Color
65, 54.421, 266.480



Protanomaly
64, 52.661, 274.849



Deuteranomaly
64, 55.319, 273.275



Tritanomaly
65, 38.113, 234.540

Monochromacy



Original Color
65, 54.421, 266.480



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 24.868, 246.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 54.402, 266.529 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, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 165, 255)  
}
```

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, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 165, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 54.402, 266.529 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, 165, 255) }
```

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

```
.border{ border-color:rgb(2, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 165,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 54.402, 266.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 165, 255) }
```

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

```
.background{ background-color: rgb(2, 165,  
255) }
```

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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