

Converting Colors

CIELCh(65, 54.098, 266.243)

Have a look what the booklet for
CIELCh(65, 54.098, 266.243)
contains.

CIELCh(65, 53.973, 266.083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 53.973, 266.083)

Conversions

Conversions Part 1

Format	Color
Hex	03A5FE
RGB	3, 165, 254
RGB Percent	1%, 65%, 100%
CMY	0.9902, 0.3532, 0.0043
CMYK	0.99, 0.35, 0.00, 0.00
HSL	201°, 99%, 50%
HSV	201°, 99%, 100%
XYZ	31.3464, 34.0472, 98.6114
YIQ	126.7080, -125.1210, -6.6650

Conversions

Conversions Part 2

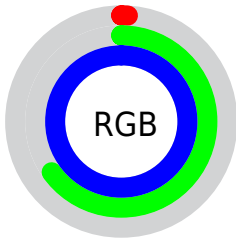
Format	Color
RYB	3, 101, 254
Decimal	239102
CIELab	65.00, -3.69, -53.85
CIELCh	65, 53.973, 266.083
Yxy	34.0472, 0.1911, 0.2076
Android (android.graphics.Color)	4278429182 (0xFF03A5FE)
YUV	126.7080, 62.7550, -108.4919
Hunter-Lab	58.3500, -6.2198, -59.3551

Details

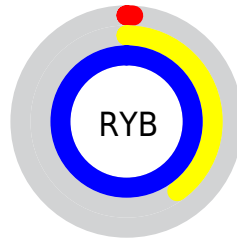
The CIELCh color **65, 53.973, 266.083** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **60, 91.475, 49.738**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 34.125, 230.929**, and **47, 50.857, 275.428** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.367, 266.585**, and if you desaturate by 10%, it is **68, 50.114, 260.925**.

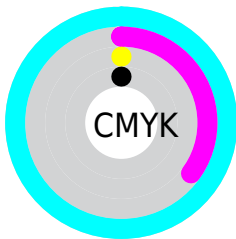
Distribution



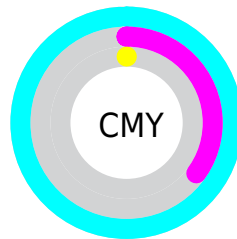
- Red (1%)
- Green (65%)
- Blue (100%)



- 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, 53.973, 266.083 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, 53.973, 266.083 by changing the saturation by 10% instead.


 65, 53.973,
266.083


 65, 53.973,
266.083


 100, 53.973,
266.083


 55, 53.973,
266.083


 85, 53.973,
266.083

 45, 53.973,
266.083

 95, 53.973,
266.083

 35, 53.973,
266.083

 25, 53.973,
266.083

 15, 53.973,
266.083

 5, 53.973, 266.083

 0, 53.973, 266.083

■ 65, 53.973,
266.083

■ 65, 53.973,
266.083

■ 65, 54.367,
266.585

■ 68, 50.114,
260.925

■ 71, 46.163,
256.217

■ 74, 41.895,
252.146

■ 77, 37.174,
248.734

■ 81, 31.942,
245.932

■ 84, 26.203,
243.660

■ 88, 20.001,
241.830

■ 92, 13.400,

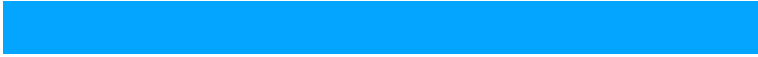
240.366

■ 96, 6.472, 239.219

Harmonies

Complementary

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



65, 53.973, 266.083



60, 91.475, 49.738

Rectangle

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



65, 53.973, 266.083



65, 53.973, 316.083



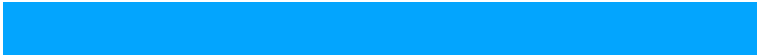
65, 53.973, 86.083



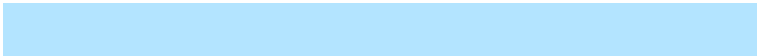
65, 53.973, 136.083

Sweetspot

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



65, 53.972, 266.084



88, 20.704, 241.995



88, 102.276, 142.539



45, 13.975, 242.734



0, 0.000, 0.000



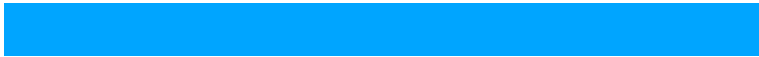
53, 0.007, 296.813

Same Dimension

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



65, 53.972, 266.084



65, 54.552, 266.598



35, 123.284, 304.104



51, 4.094, 239.268



50, 43.425, 265.621



15, 18.507, 258.353

Inverse Universe

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



56, 88.780, 349.361



56, 89.069, 349.624



87, 87.072, 91.958



50, 7.063, 337.210



42, 71.977, 349.123



11, 33.944, 345.792

Previews

White Background



This preview shows how the CIE LCh color 65, 53.973, 266.083 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, 53.973, 266.083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

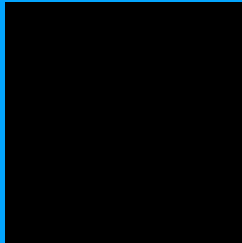
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

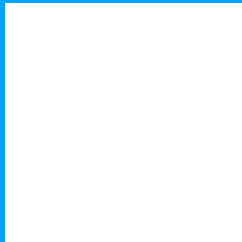
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 53.973, 266.083

Background



This preview shows how black text looks on a background with the CIELCh color 65, 53.973, 266.083.

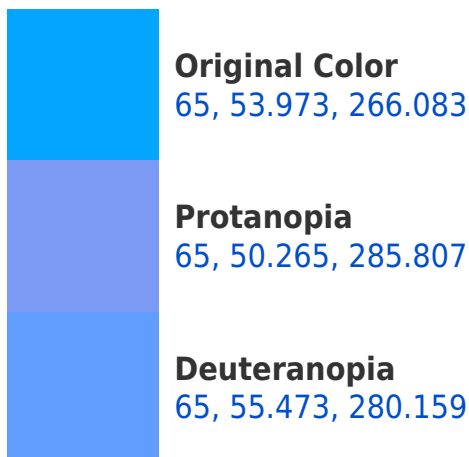


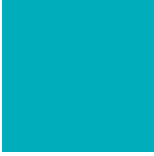
This preview shows how white text looks on a background with the CIELCh color 65, 53.973, 266.083.

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
65, 36.338, 208.270

Trichromacy



Original Color
65, 53.973, 266.083

Protanomaly
64, 52.122, 274.689

Deuteranomaly
64, 55.319, 273.275

Tritanomaly
65, 37.918, 233.684

Monochromacy



Original Color
65, 53.973, 266.083

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, 53.973, 266.083 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(3, 165, 254)` looks like.

```
.text, #text, p{  
    color:rgb(3, 165, 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(3, 165, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 165, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 53.973, 266.083 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(3, 165, 254) }
```

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

```
.border{ border-color:rgb(3, 165, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 165, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 165, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 165, 254);  
box-shadow:4px 4px 4px 4px rgb(3, 165,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 53.973, 266.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 165, 254) }
```

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

```
.background{ background-color: rgb(3, 165,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor