

Converting Colors

CIELCh(65, 54.661, 266.761)

Have a look what the booklet for
CIELCh(65, 54.661, 266.761)
contains.

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Color

CIELCh(65, 54.421, 266.480)

Conversions

Conversions Part 1

Format	Color
Hex	01A5FF
RGB	1, 165, 255
RGB Percent	0%, 65%, 100%
CMY	0.9973, 0.3537, 0.0009
CMYK	1.00, 0.35, 0.00, 0.00
HSL	201°, 100%, 50%
HSV	201°, 100%, 100%
XYZ	31.4406, 34.0472, 99.3339
YIQ	126.2240, -126.6340, -6.7780

Conversions

Conversions Part 2

Format	Color
R_{YB}	1, 101, 255
Decimal	108031
CIE _{Lab}	65.00, -3.34, -54.32
CIE _{LCh}	65, 54.421, 266.480
Yxy	34.0472, 0.1908, 0.2066
Android (android.graphics.Color)	4278298111 (0xFF01A5FF)
YUV	126.2240, 63.4866, -109.8214
Hunter-Lab	58.3500, -5.9316, -60.0892

Details

The CIELCh color **65, 54.421, 266.480** 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, 92.193, 49.615**, 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, 51.372, 275.820** is the 20% darker color. If you saturate the color by 10%, you get **65, 54.530, 266.620**, and if you desaturate by 10%, it is **68, 50.538, 261.315**.

Distribution



- Red (0%)
- Green (65%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 54.421, 266.480 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, 54.421, 266.480 by changing the saturation by 10% instead.

 65, 54.421,
266.480

 65, 54.421,
266.480


 100, 54.421,
266.480

 55, 54.421,
266.480

 85, 54.421,
266.480

 45, 54.421,
266.480

 95, 54.421,
266.480

 35, 54.421,
266.480

 25, 54.421,
266.480

 15, 54.421,
266.480

 5, 54.421, 266.480

 0, 54.421, 266.480

■ 65, 54.421,
266.480

■ 65, 54.421,
266.480

■ 65, 54.530,
266.620

■ 68, 50.538,
261.315

■ 71, 46.589,
256.564

■ 74, 42.335,
252.443

■ 77, 37.635,
248.983

■ 81, 32.425,
246.138

■ 84, 26.704,
243.829

■ 88, 20.515,
241.970

■ 92, 13.922,

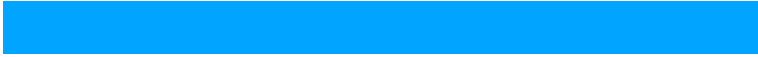
240.480

■ 96, 6.996, 239.310

Harmonies

Complementary

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



65, 54.421, 266.480



60, 92.193, 49.615

Rectangle

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



65, 54.421, 266.480



65, 54.421, 316.480



65, 54.421, 86.480



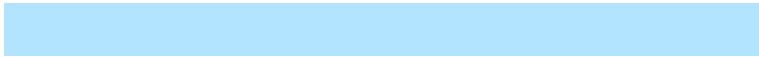
65, 54.421, 136.480

Sweetspot

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



65, 54.420, 266.481



88, 20.705, 242.016



88, 102.962, 142.393



45, 13.976, 242.755



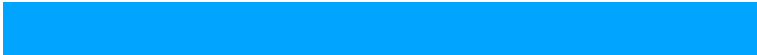
0, 0.000, 0.000



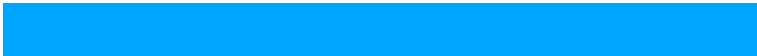
53, 0.007, 296.813

Same Dimension

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



65, 54.420, 266.481



65, 54.568, 266.622



35, 124.262, 304.235



51, 4.094, 239.288



50, 43.437, 265.646



15, 18.511, 258.377

Inverse Universe

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



56, 89.002, 349.564



56, 89.061, 349.637



87, 87.396, 91.872



50, 7.062, 337.217



42, 71.971, 349.136



11, 33.942, 345.802

Previews

White Background



This preview shows how the CIE LCh color 65, 54.421, 266.480 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 65, 54.421, 266.480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

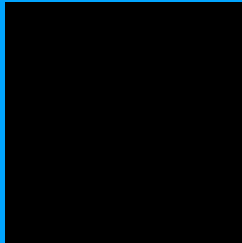
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

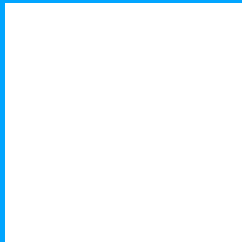
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 54.421, 266.480

Background



This preview shows how black text looks on a background with the CIELCh color 65, 54.421, 266.480.



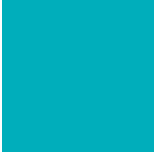
This preview shows how white text looks on a background with the CIELCh color 65, 54.421, 266.480.

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, 54.431, 266.456



Protanomaly
64, 52.661, 274.849



Deuteranomaly
64, 55.355, 273.157



Tritanomaly
65, 38.137, 234.511

Monochromacy



Original Color
65, 54.431, 266.456



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 25.376, 246.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 54.421, 266.480 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(1, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 165, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 54.421, 266.480 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(1, 165, 255) }
```

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

```
.border{ border-color:rgb(1, 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(1, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 165,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 54.421, 266.480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 165, 255) }
```

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

```
.background{ background-color: rgb(1, 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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