

Converting Colors

CIELCh(64, 54.982, 267.838)

Have a look what the booklet for
CIELCh(64, 54.982, 267.838)
contains.

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Color

CIELCh(64, 54.784, 267.578)

Conversions

Conversions Part 1

Format	Color
Hex	02A2FD
RGB	2, 162, 253
RGB Percent	1%, 64%, 99%
CMY	0.9929, 0.3660, 0.0093
CMYK	0.99, 0.36, 0.00, 0.01
HSL	202°, 99%, 50%
HSV	202°, 99%, 99%
XYZ	30.5533, 32.8017, 97.3388
YIQ	124.5340, -124.5710, -5.6190

Conversions

Conversions Part 2

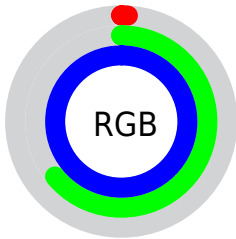
Format	Color
R _Y B	2, 100, 253
Decimal	172797
CIE Lab	64.00, -2.32, -54.74
CIE LCh	64, 54.784, 267.578
Yxy	32.8017, 0.1901, 0.2041
Android (android.graphics.Color)	4278362877 (0xFF02A2FD)
YUV	124.5340, 63.3337, -107.4623
Hunter-Lab	57.2727, -5.0030, -60.6763

Details

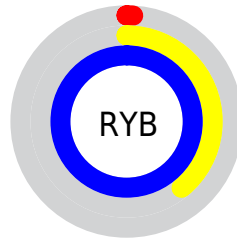
The CIELCh color **64, 54.784, 267.578** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **60, 90.852, 50.204**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 34.281, 235.352**, and **46, 51.951, 276.963** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.084, 267.941**, and if you desaturate by 10%, it is **67, 50.737, 262.425**.

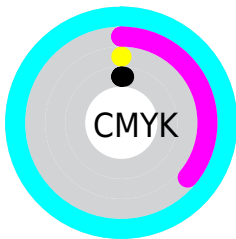
Distribution



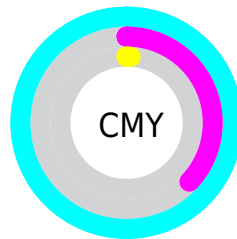
- Red (1%)
- Green (64%)
- Blue (99%)



- Red (1%)
- Yellow (39%)
- Blue (99%)



- Cyan (99%)
- Magenta (36%)
- Yellow (0%)
- Black (1%)




- Cyan (99%)
- Magenta (37%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 54.784, 267.578 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 64, 54.784, 267.578 by changing the saturation by 10% instead.

 64, 54.784,
267.578

 64, 54.784,
267.578

 100, 54.784,
267.578


 54, 54.784,
267.578


 84, 54.784,
267.578

 44, 54.784,
267.578

 94, 54.784,
267.578

 34, 54.784,
267.578

 24, 54.784,
267.578

 14, 54.784,
267.578

 4, 54.784, 267.578

 0, 54.784, 267.578

■ 64, 54.784,
267.578

■ 64, 54.784,
267.578

■ 64, 55.084,
267.941

■ 67, 50.737,
262.425

■ 70, 46.634,
257.687

■ 73, 42.249,
253.569

■ 76, 37.444,
250.103

■ 80, 32.155,
247.247

■ 84, 26.383,
244.922

■ 87, 20.166,
243.044

■ 91, 13.565,

241.536

■ 95, 6.650, 240.347

Harmonies

Complementary

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



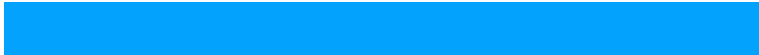
64, 54.784, 267.578



60, 90.852, 50.204

Rectangle

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



64, 54.784, 267.578



64, 54.784, 317.578



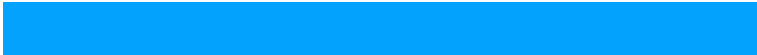
64, 54.784, 87.578



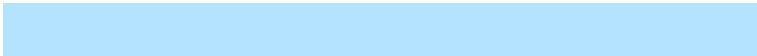
64, 54.784, 137.578

Sweetspot

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



64, 54.783, 267.579



88, 20.782, 243.168



87, 102.025, 142.491



45, 14.034, 243.923



0, 0.000, 0.000



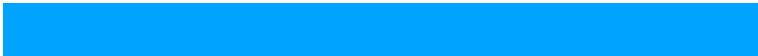
53, 0.007, 296.813

Same Dimension

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



64, 54.783, 267.579



64, 55.495, 267.968



35, 123.033, 304.148



51, 4.102, 240.370



49, 44.154, 266.995



15, 18.749, 259.725

Inverse Universe

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



56, 88.035, 350.144



56, 88.659, 350.352



87, 86.776, 91.929



50, 7.020, 337.598



42, 71.644, 349.832



11, 33.786, 346.373

Previews

White Background



This preview shows how the CIELCh color 64, 54.784, 267.578 looks on a white background.

Color Contrast Check

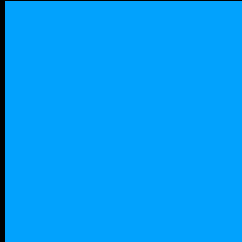
Large Text (above 18pt) WCAG AA × Fail

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 64, 54.784, 267.578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

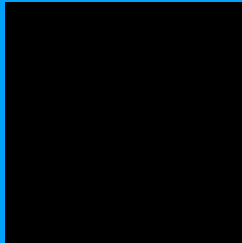
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

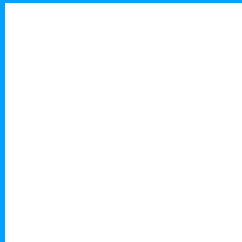
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 54.784, 267.578

Background



This preview shows how black text looks on a background with the CIELCh color 64, 54.784, 267.578.

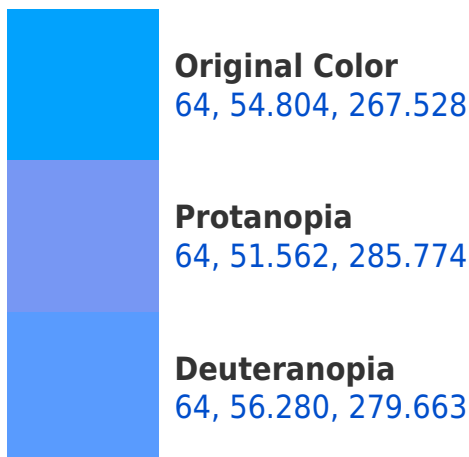


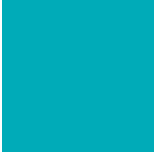
This preview shows how white text looks on a background with the CIELCh color 64, 54.784, 267.578.

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
64, 35.865, 208.468

Trichromacy



Original Color
64, 54.804, 267.528



Protanomaly
63, 53.268, 275.467



Deuteranomaly
63, 56.446, 274.075



Tritanomaly
64, 37.752, 235.114

Monochromacy



Original Color
64, 54.804, 267.528



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 25.077, 247.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 54.784, 267.578 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, 162, 253)` looks like.

```
.text, #text, p{  
    color:rgb(2, 162, 253)  
}
```

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, 162, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 162, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 54.784, 267.578 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, 162, 253) }
```

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

```
.border{ border-color:rgb(2, 162, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 162, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 162, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 162, 253);  
box-shadow:4px 4px 4px 4px rgb(2, 162,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 54.784, 267.578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 162, 253) }
```

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

```
.background{ background-color: rgb(2, 162,  
253) }
```

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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