

Converting Colors

CIELCh(64, 70.382, 269.036)

Have a look what the booklet for
CIELCh(64, 70.382, 269.036)
contains.

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Color

CIELCh(64, 55.288, 267.674)

Conversions

Conversions Part 1

Format	Color
Hex	00A2FE
RGB	0, 162, 254
RGB Percent	0%, 64%, 100%
CMY	1.0000, 0.3659, 0.0057
CMYK	1.00, 0.36, 0.00, 0.01
HSL	202°, 100%, 50%
HSV	202°, 100%, 99%
XYZ	30.5723, 32.8017, 98.1099
YIQ	124.0500, -126.0840, -5.7320

Conversions

Conversions Part 2

Format	Color
RYB	0, 99, 254
Decimal	41726
CIELab	64.00, -2.24, -55.24
CIElCh	64, 55.288, 267.674
Yxy	32.8017, 0.1893, 0.2031
Android (android.graphics.Color)	4278231806 (0xFF00A2FE)
YUV	124.0500, 64.0653, -108.7918
Hunter-Lab	57.2727, -4.9436, -61.4745

Details

The CIELCh color **64, 55.288, 267.674** 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, 91.611, 50.046**, 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, 52.474, 277.334** is the 20% darker color. If you saturate the color by 10%, you get **64, 55.203, 267.893**, and if you desaturate by 10%, it is **67, 51.141, 262.735**.

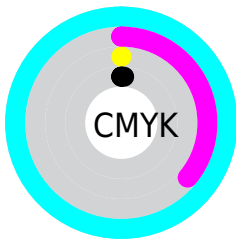
Distribution



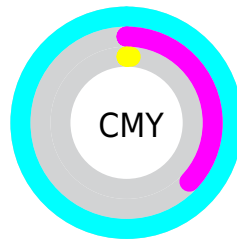
- Red (0%)
- Green (64%)
- Blue (100%)



- Red (0%)
- Yellow (39%)
- Blue (100%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (37%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 55.288, 267.674 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, 55.288, 267.674 by changing the saturation by 10% instead.

 64, 55.288,
267.674

 64, 55.288,
267.674


 100, 55.288,
267.674


 54, 55.288,
267.674


 84, 55.288,
267.674

 44, 55.288,
267.674

 94, 55.288,
267.674

 34, 55.288,
267.674

 24, 55.288,
267.674

 14, 55.288,
267.674

 4, 55.288, 267.674

 0, 55.288, 267.674

■ 64, 55.288,
267.674

■ 64, 55.288,
267.674

■ 64, 55.203,
267.893

■ 67, 51.141,
262.735

■ 70, 47.047,
257.956

■ 73, 42.682,
253.791

■ 76, 37.901,
250.279

■ 80, 32.638,
247.381

■ 84, 26.885,
245.022

■ 87, 20.683,
243.116

■ 91, 14.090,

241.584

■ 95, 7.175, 240.373

Harmonies

Complementary

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



64, 55.288, 267.674



60, 91.611, 50.046

Rectangle

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



64, 55.288, 267.674



64, 55.288, 317.674



64, 55.288, 87.674



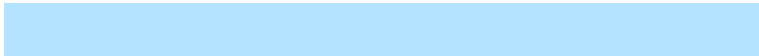
64, 55.288, 137.674

Sweetspot

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



64, 55.203, 267.893



88, 20.778, 243.117



88, 102.731, 142.345



45, 14.031, 243.872



0, 0.000, 0.000



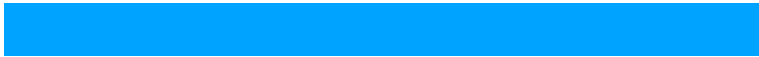
53, 0.007, 296.813

Same Dimension

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



64, 55.203, 267.893



64, 55.453, 267.909



35, 124.029, 304.278



51, 4.102, 240.322



49, 44.122, 266.936



15, 18.738, 259.666

Inverse Universe

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



56, 88.299, 350.310



56, 88.676, 350.320



87, 87.117, 91.843



50, 7.022, 337.581



42, 71.658, 349.801



11, 33.792, 346.348

Previews

White Background



This preview shows how the CIE LCh color 64, 55.288, 267.674 looks on a white background.

Color Contrast Check

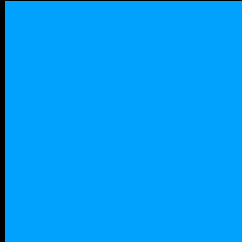
Large Text (above 18pt) WCAG AA × Fail

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 64, 55.288, 267.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

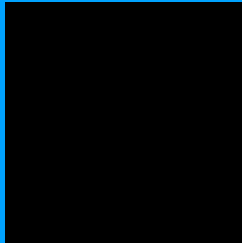
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

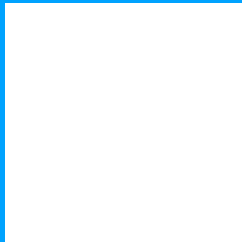
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 55.288, 267.674

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.288, 267.674.



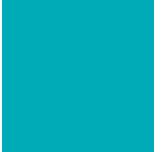
This preview shows how white text looks on a background with the CIELCh color 64, 55.288, 267.674.

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



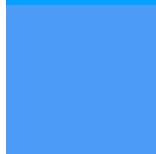


Tritanopia
64, 35.865, 208.468

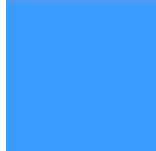
Trichromacy



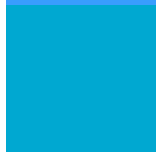
Original Color
64, 55.271, 267.884



Protanomaly
63, 53.268, 275.467



Deuteranomaly
63, 56.446, 274.075



Tritanomaly
64, 37.776, 235.084

Monochromacy



Original Color
64, 55.271, 267.884



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 25.230, 247.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 55.288, 267.674 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, 162, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.288, 267.674 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, 162, 254) }
```

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

```
.border{ border-color:rgb(0, 162, 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, 162, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.288, 267.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 254) }
```

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

```
.background{ background-color: rgb(0, 162,  
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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