

Converting Colors

CIELCh(64, 55.752, 268.328)

Have a look what the booklet for
CIELCh(64, 55.752, 268.328)
contains.

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Color

CIELCh(64, 55.706, 268.493)

Conversions

Conversions Part 1

Format	Color
Hex	02A1FE
RGB	2, 161, 254
RGB Percent	1%, 63%, 100%
CMY	0.9908, 0.3673, 0.0025
CMYK	0.99, 0.37, 0.00, 0.00
HSL	202°, 100%, 50%
HSV	202°, 99%, 100%
XYZ	30.7813, 32.8017, 98.7883
YIQ	124.0610, -124.6170, -4.7850

Conversions

Conversions Part 2

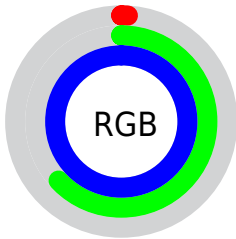
Format	Color
R _Y B	2, 99, 254
Decimal	172542
CIE Lab	64.00, -1.47, -55.69
CIE LCh	64, 55.706, 268.493
Yxy	32.8017, 0.1896, 0.2020
Android (android.graphics.Color)	4278362622 (0xFF02A1FE)
YUV	124.0610, 64.0599, -107.0475
Hunter-Lab	57.2727, -4.2922, -62.1769

Details

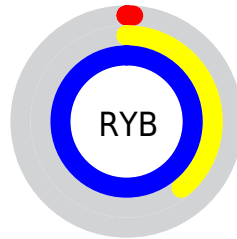
The CIELCh color **64, 55.706, 268.493** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **61, 90.874, 50.619**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 34.350, 236.455**, and **46, 53.025, 277.947** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.109, 268.959**, and if you desaturate by 10%, it is **67, 51.488, 263.345**.

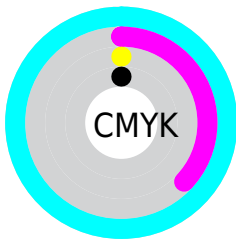
Distribution



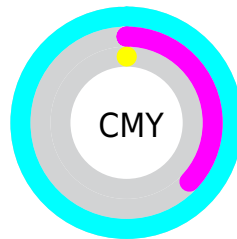
- Red (1%)
- Green (63%)
- Blue (100%)



- Red (1%)
- Yellow (39%)
- Blue (100%)



- Cyan (99%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (99%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 55.706, 268.493 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, 55.706, 268.493 by changing the saturation by 10% instead.

 64, 55.706,
268.493

 64, 55.706,
268.493


 100, 55.706,
268.493


 54, 55.706,
268.493


 84, 55.706,
268.493

 44, 55.706,
268.493

 94, 55.706,
268.493

 34, 55.706,
268.493

 24, 55.706,
268.493

 14, 55.706,
268.493

 4, 55.706, 268.493

 0, 55.706, 268.493

■ 64, 55.706,
268.493

■ 64, 55.706,
268.493

■ 64, 56.109,
268.959

■ 67, 51.488,
263.345

■ 70, 47.227,
258.606

■ 73, 42.700,
254.479

■ 77, 37.771,
250.997

■ 80, 32.373,
248.122

■ 84, 26.505,
245.778

■ 88, 20.205,
243.880

■ 92, 13.532,

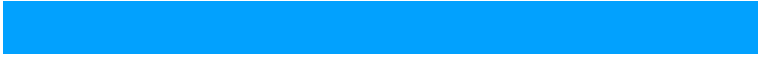
242.352

■ 96, 6.552, 241.145

Harmonies

Complementary

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



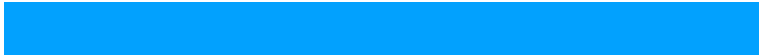
64, 55.706, 268.493



61, 90.874, 50.619

Rectangle

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



64, 55.706, 268.493



64, 55.706, 318.493



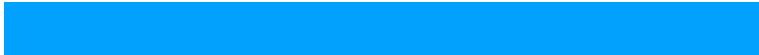
64, 55.706, 88.493



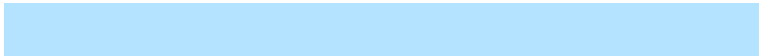
64, 55.706, 138.493

Sweetspot

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



64, 55.705, 268.494



88, 20.845, 244.039



88, 101.095, 143.118



45, 14.082, 244.806



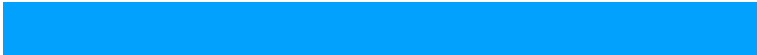
0, 0.000, 0.000



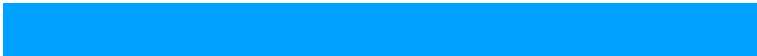
53, 0.007, 296.813

Same Dimension

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



64, 55.705, 268.494



64, 56.219, 268.967



35, 125.162, 304.497



51, 4.110, 241.190



49, 44.714, 267.997



15, 18.936, 260.730

Inverse Universe

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



56, 88.194, 350.641



56, 88.364, 350.901



88, 88.050, 93.308



50, 6.988, 337.890



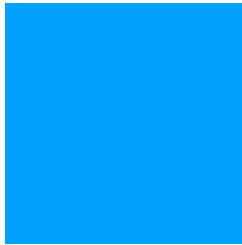
42, 71.403, 350.367



11, 33.670, 346.812

Previews

White Background



This preview shows how the CIELCh color 64, 55.706, 268.493 looks on a white background.

Color Contrast Check

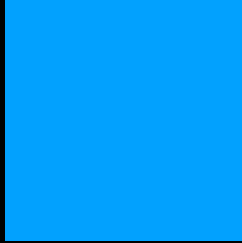
Large Text (above 18pt) WCAG AA × Fail

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, 55.706, 268.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

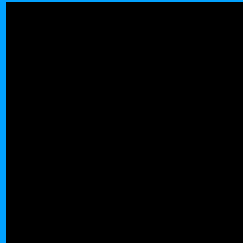
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

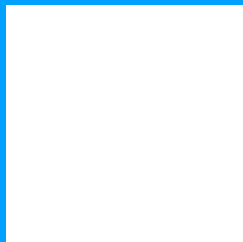
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 55.706, 268.493

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.706, 268.493.

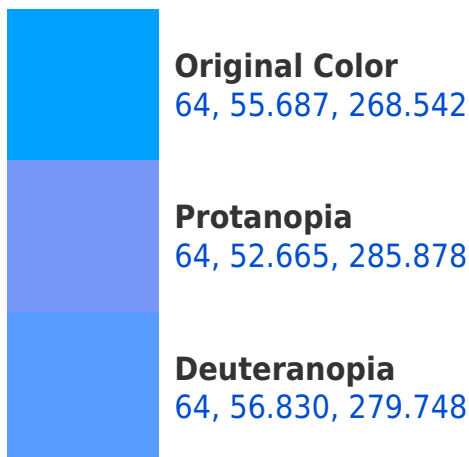


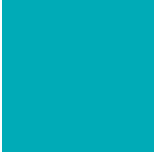
This preview shows how white text looks on a background with the CIELCh color 64, 55.706, 268.493.

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, 35.912, 207.513

Trichromacy



Original Color
64, 55.687, 268.542



Protanomaly
63, 53.766, 275.785



Deuteranomaly
64, 56.932, 274.401



Tritanomaly
64, 37.842, 236.167

Monochromacy



Original Color
64, 55.687, 268.542



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, 55.706, 268.493 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, 161, 254)` looks like.

```
.text, #text, p{  
    color:rgb(2, 161, 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(2, 161, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 161, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.706, 268.493 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, 161, 254) }
```

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

```
.border{ border-color:rgb(2, 161, 254) }
```

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

Here you see how a box with a 4 pixel rgb(2, 161, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 161, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 161, 254);  
box-shadow:4px 4px 4px 4px rgb(2, 161,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.706, 268.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 161, 254) }
```

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

```
.background{ background-color: rgb(2, 161,  
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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