

Converting Colors

CIELCh(64, 55.433, 271.771)

Have a look what the booklet for
CIELCh(64, 55.433, 271.771)
contains.

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Color

CIELCh(64, 55.280, 271.550)

Conversions

Conversions Part 1

Format	Color
Hex	30A0FE
RGB	48, 160, 254
RGB Percent	19%, 63%, 100%
CMY	0.8103, 0.3738, 0.0053
CMYK	0.81, 0.37, 0.00, 0.01
HSL	207°, 99%, 59%
HSV	207°, 81%, 99%
XYZ	31.5843, 32.8017, 98.1363
YIQ	137.2280, -96.9260, 5.4900

Conversions

Conversions Part 2

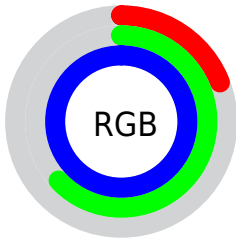
Format	Color
RYB	48, 121, 254
Decimal	3186942
CIELab	64.00, 1.50, -55.26
CIElCh	64, 55.280, 271.550
Yxy	32.8017, 0.1943, 0.2018
Android (android.graphics.Color)	4281377022 (0xFF30A0FE)
YUV	137.2280, 57.5686, -78.2530
Hunter-Lab	57.2727, -1.7894, -61.5019

Details

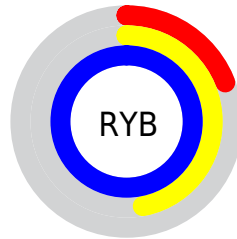
The CIELCh color **64, 55.280, 271.550** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **70, 73.735, 60.881**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 32.219, 240.994**, and **46, 53.582, 278.550** is the 20% darker color. If you saturate the color by 10%, you get **60, 61.463, 276.232**, and if you desaturate by 10%, it is **68, 49.124, 267.294**.

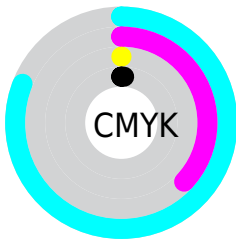
Distribution



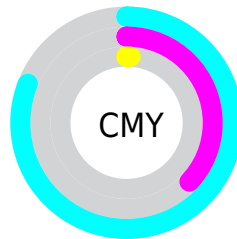
- Red (19%)
- Green (63%)
- Blue (100%)



- Red (19%)
- Yellow (47%)
- Blue (100%)



- Cyan (81%)
- Magenta (37%)
- Yellow (0%)
- Black (1%)





- Cyan (81%)
- Magenta (37%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 55.280, 271.550 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, 55.280, 271.550 by changing the saturation by 10% instead.


 64, 55.280,
271.550


 64, 55.280,
271.550


 100, 55.280,
271.550


 54, 55.280,
271.550


 84, 55.280,
271.550

 44, 55.280,
271.550

 94, 55.280,
271.550

 34, 55.280,
271.550

 24, 55.280,
271.550

 14, 55.280,
271.550

 4, 55.280, 271.550

 0, 55.280, 271.550

■ 64, 55.280,
271.550

■ 64, 55.280,
271.550

■ 60, 61.463,
276.232

■ 68, 49.124,
267.294

■ 57, 67.243,
280.600

■ 72, 42.859,
263.567

■ 76, 36.391,
260.389

■ 81, 29.680,
257.722

■ 85, 22.725,
255.503

■ 90, 15.552,
253.666

■ 94, 8.199, 252.156

■ 99, 0.709, 251.490

100, 0.675,
110.013

Harmonies

Complementary

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



64, 55.280, 271.550



70, 73.735, 60.881

Rectangle

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



64, 55.280, 271.550



64, 55.280, 321.550



64, 55.280, 91.550



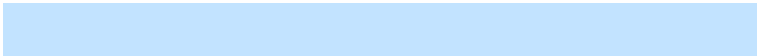
64, 55.280, 141.550

Sweetspot

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



64, 55.279, 271.551



89, 17.853, 254.195



89, 82.464, 150.485



46, 12.216, 254.847



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, 55.279, 271.551



59, 65.580, 279.202



39, 113.642, 302.974



51, 4.290, 251.968



44, 53.515, 279.724



13, 21.996, 272.854

Inverse Universe

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



58, 81.438, 352.538



55, 85.175, 357.748



94, 86.933, 100.487



50, 6.568, 342.171



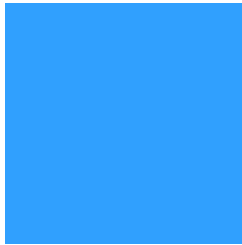
41, 68.888, 358.147



11, 32.330, 353.215

Previews

White Background



This preview shows how the CIE LCh color 64, 55.280, 271.550 looks on a white background.

Color Contrast Check

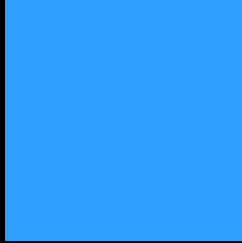
Large Text (above 18pt) WCAG AA × Fail

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, 55.280, 271.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

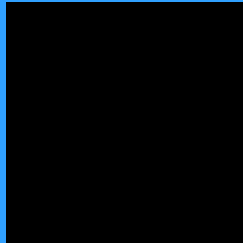
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

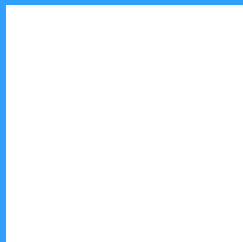
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 55.280, 271.550

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.280, 271.550.

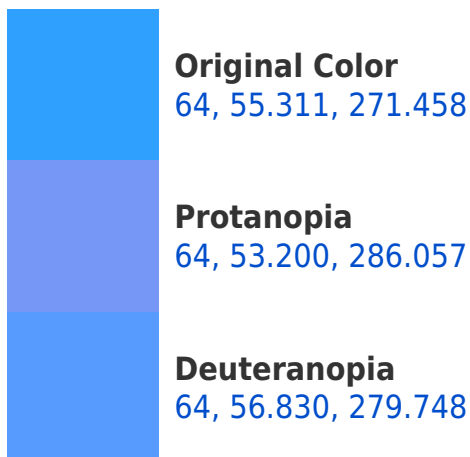


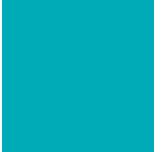
This preview shows how white text looks on a background with the CIELCh color 64, 55.280, 271.550.

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, 55.311, 271.458

Protanomaly
64, 54.076, 279.620

Deuteranomaly
64, 56.336, 276.514

Tritanomaly
64, 37.392, 236.750

Monochromacy



Original Color
64, 55.311, 271.458

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 22.640, 257.814

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 55.280, 271.550 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(48, 160, 254)` looks like.

```
.text, #text, p{  
    color:rgb(48, 160, 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(48, 160, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 160, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.280, 271.550 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(48, 160, 254) }
```

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

```
.border{ border-color:rgb(48, 160, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 160, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 160, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 160, 254);  
box-shadow:4px 4px 4px 4px rgb(48, 160,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.280, 271.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 160, 254) }
```

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

```
.background{ background-color: rgb(48, 160,  
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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