

Converting Colors

CIELCh(58, 66.914, 280.114)

Have a look what the booklet for
CIELCh(58, 66.914, 280.114)
contains.

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Color

CIELCh(58, 66.568, 279.909)

Conversions

Conversions Part 1

Format	Color
Hex	028CFF
RGB	2, 140, 255
RGB Percent	1%, 55%, 100%
CMY	0.9903, 0.4513, 0.0004
CMYK	0.99, 0.45, 0.00, 0.00
HSL	207°, 100%, 50%
HSV	207°, 99%, 100%
XYZ	27.4303, 25.9610, 98.0911
YIQ	111.8480, -119.1630, 6.5090

Conversions

Conversions Part 2

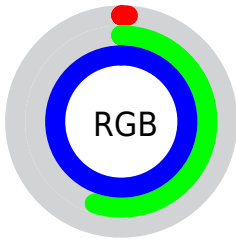
Format	Color
RYB	2, 91, 255
Decimal	167167
CIELab	58.00, 11.46, -65.57
CIELCh	58, 66.568, 279.909
Yxy	25.9610, 0.1811, 0.1714
Android (android.graphics.Color)	4278357247 (0xFF028CFF)
YUV	111.8480, 70.5739, -96.3367
Hunter-Lab	50.9519, 6.9308, -78.4769

Details

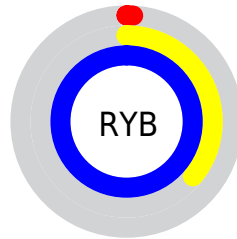
The CIELCh color **58, 66.568, 279.909** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **65, 86.863, 56.524**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 38.772, 258.916**, and **40, 64.402, 287.788** is the 20% darker color. If you saturate the color by 10%, you get **58, 67.199, 280.362**, and if you desaturate by 10%, it is **61, 60.266, 275.066**.

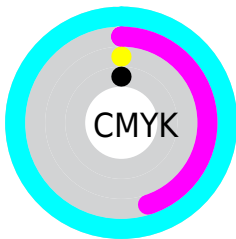
Distribution



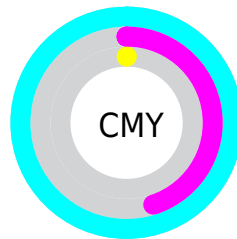
- Red (1%)
- Green (55%)
- Blue (100%)



- Red (1%)
- Yellow (36%)
- Blue (100%)



- Cyan (99%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (99%)
- Magenta (45%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 66.568, 279.909 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 58, 66.568, 279.909 by changing the saturation by 10% instead.


 58, 66.568,
279.909


 58, 66.568,
279.909


 100, 66.568,
279.909


 48, 66.568,
279.909


 78, 66.568,
279.909

 38, 66.568,
279.909

 88, 66.568,
279.909

 28, 66.568,
279.909

 98, 66.568,
279.909

 18, 66.568,
279.909

 8, 66.568, 279.909

 0, 66.568, 279.909

■ 58, 66.568,
279.909

■ 58, 66.568,
279.909

■ 58, 67.199,
280.362

■ 61, 60.266,
275.066

■ 65, 54.125,
270.443

■ 69, 47.979,
266.276

■ 73, 41.694,
262.652

■ 77, 35.187,
259.575

■ 82, 28.428,
257.000

■ 86, 21.422,
254.862

■ 91, 14.200,

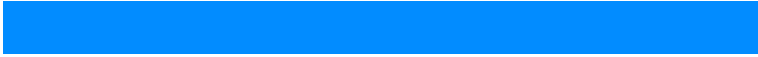
253.093

■ 96, 6.803, 251.648

Harmonies

Complementary

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



58, 66.568, 279.909



65, 86.863, 56.524

Rectangle

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



58, 66.568, 279.909



58, 66.568, 329.909



58, 66.568, 99.909



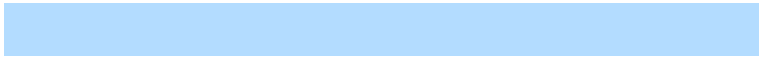
58, 66.568, 149.909

Sweetspot

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



58, 66.568, 279.911



86, 22.120, 255.052



88, 93.998, 146.500



44, 15.011, 255.921



0, 0.000, 0.000



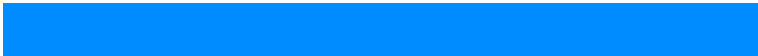
53, 0.007, 296.813

Same Dimension

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



58, 66.568, 279.911



58, 67.220, 280.363



33, 131.333, 305.808



51, 4.283, 251.709



44, 53.271, 279.470



13, 21.909, 272.584

Inverse Universe

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



55, 85.312, 358.307



55, 85.393, 358.673



94, 93.196, 99.560



50, 6.578, 342.057



41, 68.932, 357.942



11, 32.358, 353.045

Previews

White Background



This preview shows how the CIE LCh color 58, 66.568, 279.909 looks on a white background.

Color Contrast Check

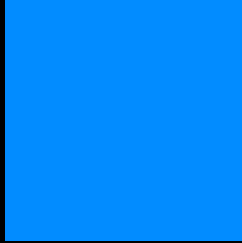
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 66.568, 279.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

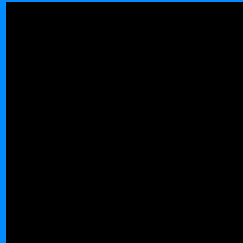
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

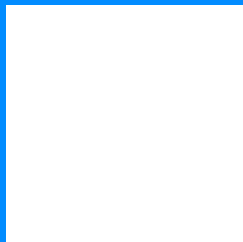
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 66.568, 279.909

Background



This preview shows how black text looks on a background with the CIELCh color 58, 66.568, 279.909.



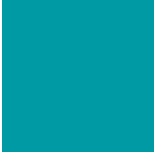
This preview shows how white text looks on a background with the CIELCh color 58, 66.568, 279.909.

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
58, 33.298, 206.572

Trichromacy



Original Color
58, 66.574, 279.888

Protanomaly
58, 66.045, 283.068

Deuteranomaly
58, 64.012, 278.325

Tritanomaly
58, 37.436, 245.189

Monochromacy



Original Color
58, 66.574, 279.888

Achromatopsia
47, 0.006, 296.813

Achromatomaly
49, 27.922, 261.323

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 66.568, 279.909 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 140, 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(2, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 140, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 66.568, 279.909 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, 140, 255) }
```

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

```
.border{ border-color:rgb(2, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 140,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 66.568, 279.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 140, 255) }
```

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

```
.background{ background-color: rgb(2, 140,  
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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