

Converting Colors

CIELCh(52, 80.826, 290.381)

Have a look what the booklet for
CIELCh(52, 80.826, 290.381)
contains.

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Color

CIELCh(52, 80.306, 290.226)

Conversions

Conversions Part 1

Format	Color
Hex	2674FF
RGB	38, 116, 255
RGB Percent	15%, 45%, 100%
CMY	0.8502, 0.5449, 0.0000
CMYK	0.85, 0.54, 0.00, 0.00
HSL	218°, 100%, 57%
HSV	218°, 85%, 100%
XYZ	25.1191, 20.1443, 97.2317
YIQ	108.5240, -91.1070, 26.6930

Conversions

Conversions Part 2

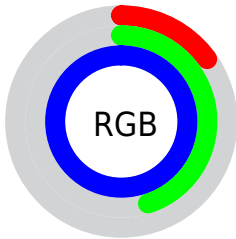
Format	Color
R _Y B	38, 95, 255
Decimal	2520319
CIE Lab	52.00, 27.76, -75.35
CIE LCh	52, 80.306, 290.226
Yxy	20.1443, 0.1763, 0.1414
Android (android.graphics.Color)	4280710399 (0xFF2674FF)
YUV	108.5240, 72.2127, -61.8495
Hunter-Lab	44.8824, 21.3559, -97.0260

Details

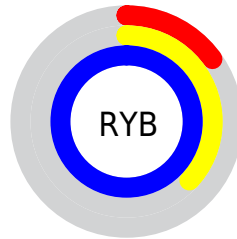
The CIELCh color **52, 80.306, 290.226** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **78, 76.676, 76.336**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 49.155, 280.638**, and **35, 78.744, 295.796** is the 20% darker color. If you saturate the color by 10%, you get **47, 90.626, 294.044**, and if you desaturate by 10%, it is **57, 70.077, 286.463**.

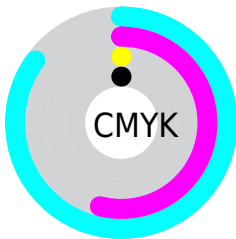
Distribution



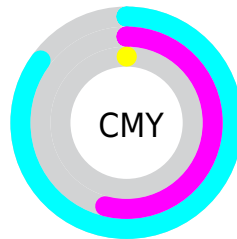
- Red (15%)
- Green (45%)
- Blue (100%)



- Red (15%)
- Yellow (37%)
- Blue (100%)



- Cyan (85%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (85%)
- Magenta (54%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 80.306, 290.226 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 52, 80.306, 290.226 by changing the saturation by 10% instead.


 52, 80.306,
290.226


 52, 80.306,
290.226


 100, 80.306,
290.226


 42, 80.306,
290.226


 72, 80.306,
290.226

 32, 80.306,
290.226

 82, 80.306,
290.226

 22, 80.306,
290.226

 92, 80.306,
290.226

 12, 80.306,
290.226

 2, 80.306, 290.226

 0, 80.306, 290.226

■ 52, 80.306,
290.226

■ 52, 80.306,
290.226

■ 47, 90.626,
294.044

■ 57, 70.077,
286.463

■ 45, 95.774,
295.851

■ 62, 60.151,
282.973

■ 68, 50.477,
279.854

■ 74, 41.004,
277.136

■ 79, 31.688,
274.803

■ 85, 22.500,
272.814

■ 91, 13.427,
271.125

■ 97, 4.467, 269.721

100, 0.012,
296.813

Harmonies

Complementary

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



52, 80.306, 290.226



78, 76.676, 76.336

Rectangle

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



52, 80.306, 290.226



52, 80.306, 340.226



52, 80.306, 110.226



52, 80.306, 160.226

Sweetspot

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



52, 80.268, 290.217



85, 23.393, 272.994



89, 70.911, 159.822



43, 15.891, 273.657



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 80.268, 290.217



45, 95.774, 295.851



38, 122.489, 305.984



50, 5.066, 270.311



34, 75.735, 295.186



9, 30.378, 289.822

Inverse Universe

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



56, 80.617, 9.150



54, 86.012, 16.810



95, 93.603, 110.483



50, 5.847, 352.833



40, 69.022, 15.750



10, 31.295, 8.252

Previews

White Background



This preview shows how the CIE LCh color 52, 80.306, 290.226 looks on a white background.

Color Contrast Check

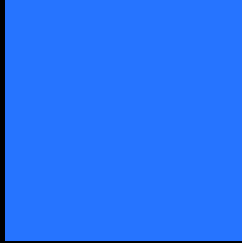
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 80.306, 290.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

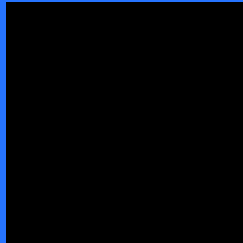
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

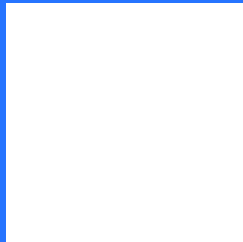
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 80.306, 290.226

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.306, 290.226.



This preview shows how white text looks on a background with the CIELCh color 52, 80.306, 290.226.

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



Original Color


52, 80.306, 290.226

Protanopia

52, 77.738, 287.917

Deuteranopia

52, 54.747, 275.508



Tritanopia
52, 30.642, 205.424

Trichromacy



Original Color
52, 80.306, 290.226

Protanomaly
52, 78.819, 288.698

Deuteranomaly
52, 64.100, 282.268

Tritanomaly
51, 38.349, 257.356

Monochromacy



Original Color
52, 80.306, 290.226

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 30.433, 277.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.306, 290.226 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(38, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 116, 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(38, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 116, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.306, 290.226 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(38, 116, 255) }
```

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

```
.border{ border-color:rgb(38, 116, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 116, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 116, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 116,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.306, 290.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 116, 255) }
```

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

```
.background{ background-color: rgb(38, 116,  
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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