

Converting Colors

CIELCh(52, 80.467, 291.184)

Have a look what the booklet for
CIELCh(52, 80.467, 291.184)
contains.

CIELCh(52, 80.771, 291.260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 80.771, 291.260)

Conversions

Conversions Part 1

Format	Color
Hex	3273FF
RGB	50, 115, 255
RGB Percent	20%, 45%, 100%
CMY	0.8042, 0.5492, 0.0002
CMYK	0.80, 0.55, 0.00, 0.00
HSL	221°, 100%, 60%
HSV	221°, 80%, 100%
XYZ	25.4787, 20.1443, 97.1107
YIQ	111.5250, -83.6800, 29.7600

Conversions

Conversions Part 2

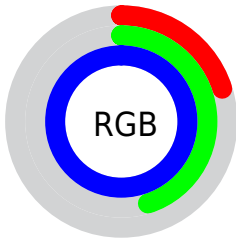
Format	Color
R _Y B	50, 99, 255
Decimal	3306495
CIE _{Lab}	52.00, 29.29, -75.27
CIE _{LCh}	52, 80.771, 291.260
Y _{xy}	20.1443, 0.1785, 0.1411
Android (android.graphics.Color)	4281496575 (0xFF3273FF)
YUV	111.5250, 70.7332, -53.9574
Hunter-Lab	44.8824, 22.7860, -96.8662

Details

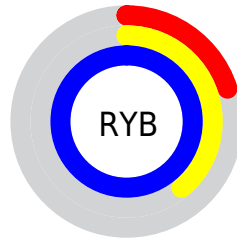
The CIELCh color **52, 80.771, 291.260** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **81, 74.596, 80.941**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 49.420, 282.814**, and **34, 79.399, 296.093** is the 20% darker color. If you saturate the color by 10%, you get **47, 91.882, 294.871**, and if you desaturate by 10%, it is **57, 69.828, 287.770**.

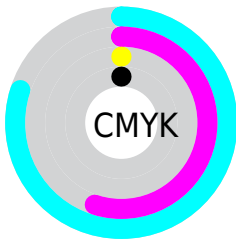
Distribution



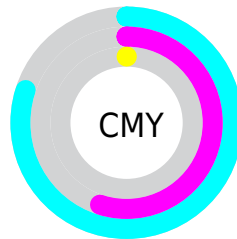
- Red (20%)
- Green (45%)
- Blue (100%)



- Red (20%)
- Yellow (39%)
- Blue (100%)



- Cyan (80%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 80.771, 291.260 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, 80.771, 291.260 by changing the saturation by 10% instead.


 52, 80.771,
291.260


 52, 80.771,
291.260


 100, 80.771,
291.260


 42, 80.771,
291.260


 72, 80.771,
291.260

 32, 80.771,
291.260

 82, 80.771,
291.260

 22, 80.771,
291.260

 92, 80.771,
291.260

 12, 80.771,
291.260

 2, 80.771, 291.260

 0, 80.771, 291.260

■ 52, 80.771,
291.260

■ 52, 80.771,
291.260

■ 47, 91.882,
294.871

■ 57, 69.828,
287.770

■ 43, 102.368,
298.172

■ 63, 59.183,
284.562

■ 69, 48.837,
281.717

■ 75, 38.752,
279.248

■ 81, 28.887,
277.131

■ 87, 19.216,
275.327

■ 94, 9.721, 273.796

■ 100, 0.395,
273.142

100, 0.014,
104.519

Harmonies

Complementary

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



52, 80.771, 291.260



81, 74.596, 80.941

Rectangle

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



52, 80.771, 291.260



52, 80.771, 341.260



52, 80.771, 111.260



52, 80.771, 161.260

Sweetspot

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



52, 80.771, 291.261



85, 22.664, 275.941



90, 66.111, 163.061



43, 15.620, 276.587



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, 80.771, 291.261



45, 98.050, 296.847



40, 116.804, 305.946



50, 5.303, 273.670



32, 81.000, 297.562



8, 32.507, 292.567

Inverse Universe

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



57, 78.395, 10.761



54, 85.938, 18.548



95, 91.464, 112.161



50, 5.716, 355.632



40, 70.125, 19.694



10, 31.396, 11.518

Previews

White Background



This preview shows how the CIE LCh color 52, 80.771, 291.260 looks on a white background.

Color Contrast Check

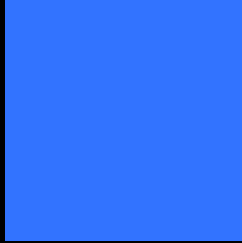
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.771, 291.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

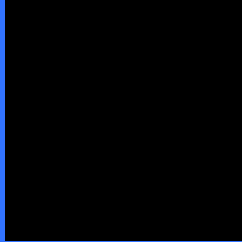
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

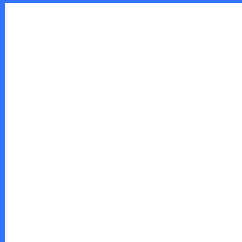
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 80.771, 291.260

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.771, 291.260.



This preview shows how white text looks on a background with the CIELCh color 52, 80.771, 291.260.

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, 80.771, 291.260

Protanopia

52, 77.738, 287.917

Deuteranopia

52, 54.747, 275.508



Tritanopia
52, 30.574, 206.586

Trichromacy



Original Color
52, 80.771, 291.260

Protanomaly
52, 78.796, 288.800

Deuteranomaly
52, 64.067, 282.411

Tritanomaly
51, 38.647, 258.336

Monochromacy



Original Color
52, 80.771, 291.260

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 30.628, 280.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.771, 291.260 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(50, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 115, 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(50, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 115, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.771, 291.260 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(50, 115, 255) }
```

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

```
.border{ border-color:rgb(50, 115, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 115,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.771, 291.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 115, 255) }
```

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

```
.background{ background-color: rgb(50, 115,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor