

Converting Colors

CIELCh(52, 80.952, 291.625)

Have a look what the booklet for
CIELCh(52, 80.952, 291.625)
contains.

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Color

CIELCh(52, 80.728, 291.471)

Conversions

Conversions Part 1

Format	Color
Hex	3473FF
RGB	52, 115, 255
RGB Percent	20%, 45%, 100%
CMY	0.7942, 0.5500, 0.0012
CMYK	0.79, 0.55, 0.00, 0.00
HSL	222°, 100%, 60%
HSV	222°, 79%, 100%
XYZ	25.5407, 20.1443, 96.8863
YIQ	112.1230, -82.4880, 30.1840

Conversions

Conversions Part 2

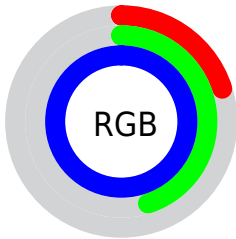
Format	Color
R _Y B	52, 100, 255
Decimal	3437567
CIE Lab	52.00, 29.55, -75.13
CIE LCh	52, 80.728, 291.471
Yxy	20.1443, 0.1791, 0.1413
Android (android.graphics.Color)	4281627647 (0xFF3473FF)
YUV	112.1230, 70.4384, -52.7279
Hunter-Lab	44.8824, 23.0326, -96.5698

Details

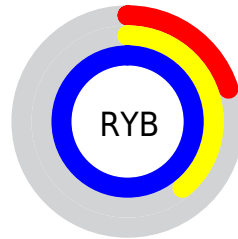
The CIELCh color **52, 80.728, 291.471** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **81, 74.098, 81.921**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 49.380, 283.091**, and **34, 79.399, 296.093** is the 20% darker color. If you saturate the color by 10%, you get **47, 91.993, 295.033**, and if you desaturate by 10%, it is **57, 69.634, 288.039**.

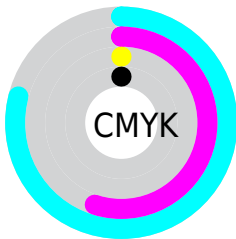
Distribution



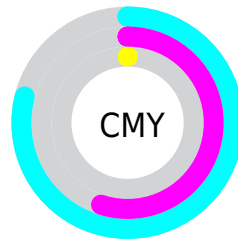
- Red (20%)
- Green (45%)
- Blue (100%)



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



- Cyan (79%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 80.728, 291.471 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, 80.728, 291.471 by changing the saturation by 10% instead.


 52, 80.728,
291.471


 52, 80.728,
291.471


 100, 80.728,
291.471


 42, 80.728,
291.471


 72, 80.728,
291.471

 32, 80.728,
291.471

 82, 80.728,
291.471

 22, 80.728,
291.471

 92, 80.728,
291.471

 12, 80.728,
291.471

 2, 80.728, 291.471

 0, 80.728, 291.471

■ 52, 80.728,
291.471

■ 52, 80.728,
291.471

■ 47, 91.993,
295.033

■ 57, 69.634,
288.039

■ 43, 103.061,
298.448

■ 63, 58.845,
284.891

■ 42, 103.714,
298.636

■ 69, 48.366,
282.104

■ 75, 38.160,
279.688

■ 82, 28.187,
277.618

■ 88, 18.421,
275.853

■ 94, 8.844, 274.356

100, 0.147,
109.640

Harmonies

Complementary

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



52, 80.728, 291.471



81, 74.098, 81.921

Rectangle

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



52, 80.728, 291.471



52, 80.728, 341.471



52, 80.728, 111.471



52, 80.728, 161.471

Sweetspot

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



52, 80.728, 291.472



85, 22.916, 276.631



90, 64.374, 164.464



43, 15.797, 277.273



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, 80.728, 291.472



44, 98.349, 296.997



41, 115.254, 306.085



50, 5.357, 274.371



32, 82.146, 298.041



8, 32.971, 293.112

Inverse Universe

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



57, 77.771, 11.112



54, 85.860, 18.828



94, 90.983, 112.992



50, 5.688, 356.267



40, 70.419, 20.545



10, 31.430, 12.191

Previews

White Background



This preview shows how the CIE LCh color 52, 80.728, 291.471 looks on a white background.

Color Contrast Check

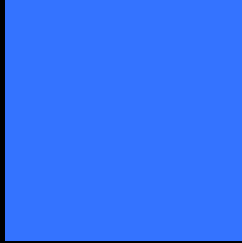
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 52, 80.728, 291.471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

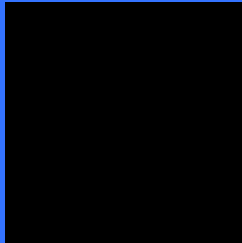
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

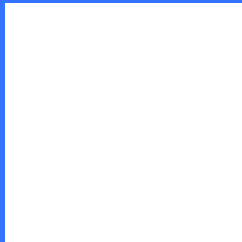
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 80.728, 291.471

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.728, 291.471.



This preview shows how white text looks on a background with the CIELCh color 52, 80.728, 291.471.

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, 80.743, 291.399

Protanopia

52, 77.738, 287.917

Deuteranopia

52, 54.747, 275.508



Tritanopia
52, 30.574, 206.586

Trichromacy



Original Color
52, 80.743, 291.399

Protanomaly
52, 78.790, 288.828

Deuteranomaly
52, 64.057, 282.451

Tritanomaly
51, 38.617, 258.412

Monochromacy



Original Color
52, 80.743, 291.399

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 30.586, 280.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.728, 291.471 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(52, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 115, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.728, 291.471 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(52, 115, 255) }
```

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

```
.border{ border-color:rgb(52, 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(52, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 115,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.728, 291.471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 115, 255) }
```

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

```
.background{ background-color: rgb(52, 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](#).

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