

Converting Colors

CIELCh(52, 83.490, 301.055)

Have a look what the booklet for
CIELCh(52, 83.490, 301.055)
contains.

CIELCh(52, 83.311, 301.139)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	25

Color

CIELCh(52, 83.311, 301.139)

Conversions

Conversions Part 1

Format	Color
Hex	7367F8
RGB	115, 103, 248
RGB Percent	45%, 40%, 97%
CMY	0.5487, 0.5958, 0.0272
CMYK	0.54, 0.58, 0.00, 0.03
HSL	245°, 91%, 69%
HSV	245°, 58%, 97%
XYZ	28.8910, 20.1443, 91.2304
YIQ	123.1180, -39.3930, 47.6390

Conversions

Conversions Part 2

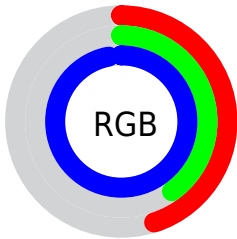
Format	Color
RYB	115, 103, 248
Decimal	7563256
CIELab	52.00, 43.08, -71.31
CIElCh	52, 83.311, 301.139
Yxy	20.1443, 0.2060, 0.1436
Android (android.graphics.Color)	4285753336 (0xFF7367F8)
YUV	123.1180, 61.5668, -7.1195
Hunter-Lab	44.8824, 36.3570, -89.0983

Details

The CIELCh color **52, 83.311, 301.139** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **94, 70.275, 108.726**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 55.369, 301.828**, and **32, 83.152, 301.118** is the 20% darker color. If you saturate the color by 10%, you get **45, 98.616, 302.940**, and if you desaturate by 10%, it is **60, 67.870, 299.398**.

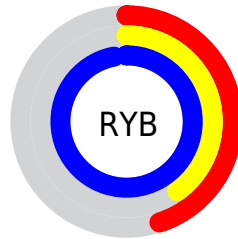
Distribution



Red (45%)

Green (40%)

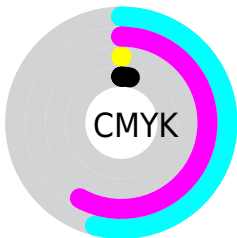
Blue (97%)



Red (45%)

Yellow (40%)

Blue (97%)

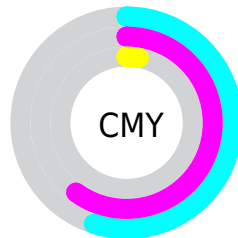


Cyan (54%)

Magenta (58%)

Yellow (0%)

Black (3%)



Cyan (55%)


Magenta (60%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 83.311, 301.139 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, 83.311, 301.139 by changing the saturation by 10% instead.


 52, 83.311,
301.139


 52, 83.311,
301.139


 100, 83.311,
301.139


 42, 83.311,
301.139


 72, 83.311,
301.139

 32, 83.311,
301.139

 82, 83.311,
301.139

 22, 83.311,
301.139

 92, 83.311,
301.139

 12, 83.311,
301.139

 2, 83.311, 301.139

 0, 83.311, 301.139

■ 52, 83.311,
301.139

■ 52, 83.311,
301.139

■ 45, 98.616,
302.940

■ 60, 67.870,
299.398

■ 39, 112.693,
304.601

■ 67, 52.793,
297.813

■ 34, 123.705,
305.833

■ 75, 38.258,
296.421

■ 32, 129.918,
306.410

■ 83, 24.304,
295.219

■ 32, 130.631,
306.484

■ 91, 10.916,
294.192

■ 99, 1.942, 113.292

■ 100, 3.502,
109.894

Harmonies

Complementary

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



52, 83.311, 301.139



94, 70.275, 108.726

Rectangle

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



52, 83.311, 301.139



52, 83.311, 351.139



52, 83.311, 121.139



52, 83.311, 171.139

Sweetspot

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



52, 83.311, 301.140



86, 24.219, 295.172



88, 37.476, 204.922



43, 16.930, 295.501



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, 83.311, 301.140



45, 103.190, 303.230



59, 83.382, 314.020



48, 7.397, 294.292



23, 106.271, 306.540



3, 42.263, 302.609

Inverse Universe

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



66, 81.995, 330.071



64, 95.434, 330.642



90, 77.571, 128.728



49, 8.417, 327.284



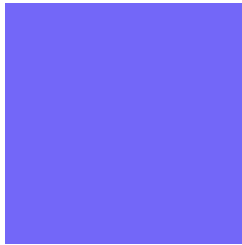
44, 86.344, 331.840



11, 39.388, 331.348

Previews

White Background



This preview shows how the CIELCh color 52, 83.311, 301.139 looks on a white background.

Color Contrast Check

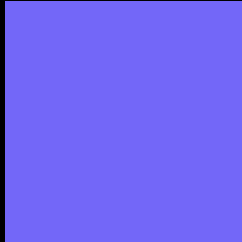
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.311, 301.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

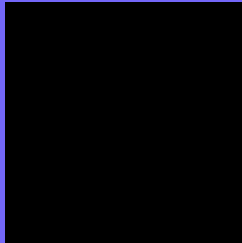
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 83.311, 301.139

Background



This preview shows how black text looks on a background with the CIELCh color 52, 83.311, 301.139.



This preview shows how white text looks on a background with the CIELCh color 52, 83.311, 301.139.

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



Trichromacy



Original Color
52, 83.311, 301.139

Deuteranomaly
51, 65.556, 285.400

Tritanomaly
51, 35.553, 280.494

Monochromacy



Original Color
52, 83.311, 301.139

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 30.419, 296.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 83.311, 301.139 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(115, 103, 248)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 248)  
}
```

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(115, 103, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 83.311, 301.139 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(115, 103, 248) }
```

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

```
.border{ border-color:rgb(115, 103, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 103, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 103, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 103, 248); box-shadow:4px 4px 4px 4px rgb(115, 103, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 83.311, 301.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 103, 248) }
```

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

```
.background{ background-color: rgb(115,  
103, 248) }
```

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