

Converting Colors

CIELCh(52, 89.580, 302.115)

Have a look what the booklet for
CIELCh(52, 89.580, 302.115)
contains.

CIELCh(52, 88.810, 302.143)	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>	26

Color

CIELCh(52, 88.810, 302.143)

Conversions

Conversions Part 1

Format	Color
Hex	7564FF
RGB	117, 100, 255
RGB Percent	46%, 39%, 100%
CMY	0.5408, 0.6075, 0.0000
CMYK	0.54, 0.61, 0.00, 0.00
HSL	247°, 100%, 70%
HSV	247°, 61%, 100%
XYZ	29.9791, 20.1443, 96.9948
YIQ	122.7530, -39.6230, 51.8090

Conversions

Conversions Part 2

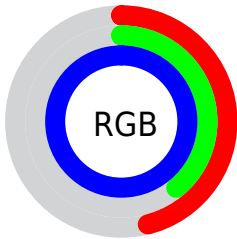
Format	Color
R_{YB}	117, 100, 255
Decimal	7693567
CIE _{Lab}	52.00, 47.25, -75.20
CIE _{LCh}	52, 88.810, 302.143
Yxy	20.1443, 0.2038, 0.1369
Android (android.graphics.Color)	4285883647 (0xFF7564FF)
YUV	122.7530, 65.1978, -5.0454
Hunter-Lab	44.8824, 40.6844, -96.7130

Details

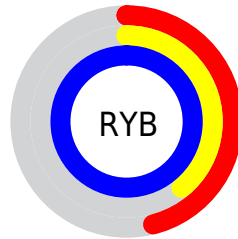
The CIELCh color **52, 88.810, 302.143** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **96, 74.362, 109.881**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 57.270, 303.274**, and **32, 88.656, 302.140** is the 20% darker color. If you saturate the color by 10%, you get **45, 104.139, 303.799**, and if you desaturate by 10%, it is **60, 73.011, 300.494**.

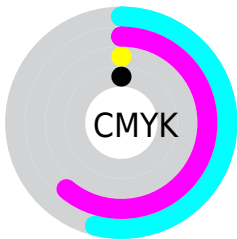
Distribution



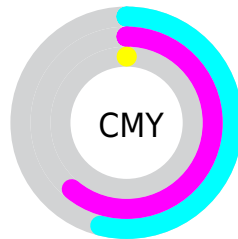
- Red (46%)
- Green (39%)
- Blue (100%)



- Red (46%)
- Yellow (39%)
- Blue (100%)



- Cyan (54%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 88.810, 302.143 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, 88.810, 302.143 by changing the saturation by 10% instead.


 52, 88.810,
302.143


 52, 88.810,
302.143


 100, 88.810,
302.143

 42, 88.810,
302.143


 72, 88.810,
302.143

 32, 88.810,
302.143

 82, 88.810,
302.143

 22, 88.810,
302.143

 92, 88.810,
302.143

 12, 88.810,
302.143

 2, 88.810, 302.143

 0, 88.810, 302.143

■ 52, 88.810,
302.143

■ 52, 88.810,
302.143

■ 45, 104.139,
303.799

■ 60, 73.011,
300.494

■ 39, 117.876,
305.254

■ 67, 57.516,
298.970

■ 35, 128.029,
306.222

■ 75, 42.526,
297.614

■ 33, 133.175,
306.583

■ 83, 28.113,
296.436

■ 91, 14.278,
295.423

■ 99, 0.991, 294.582

■ 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, 88.810, 302.143



96, 74.362, 109.881

Rectangle

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



52, 88.810, 302.143



52, 88.810, 352.143



52, 88.810, 122.143



52, 88.810, 172.143

Sweetspot

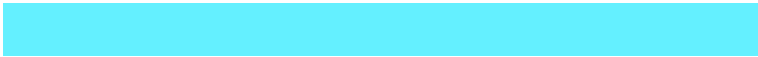
The Sweet Spot groups the original color and five complimentary colors.



52, 88.760, 302.143



86, 24.248, 296.141



88, 38.058, 209.541



43, 16.950, 296.453



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, 88.760, 302.143



44, 107.430, 304.153



60, 88.504, 315.094



49, 7.531, 295.308



23, 107.146, 306.652



4, 44.380, 303.900

Inverse Universe

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



67, 84.835, 331.156



63, 96.091, 331.825



92, 82.822, 129.723



50, 8.399, 328.107



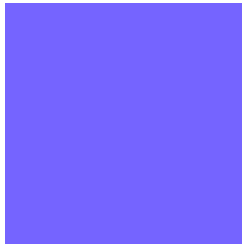
44, 85.380, 333.167



12, 39.688, 332.509

Previews

White Background



This preview shows how the CIELCh color 52, 88.810, 302.143 looks on a white background.

Color Contrast Check

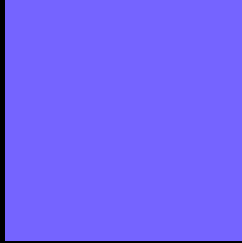
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.810, 302.143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

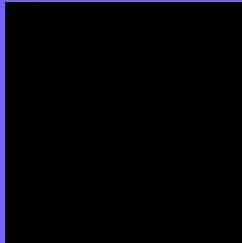
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 88.810, 302.143

Background



This preview shows how black text looks on a background with the CIELCh color 52, 88.810, 302.143.

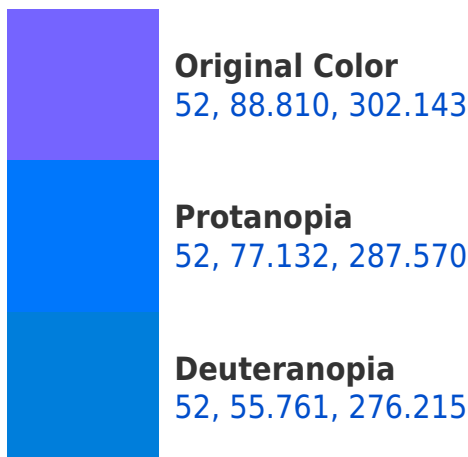



This preview shows how white text looks on a background with the CIELCh color 52, 88.810, 302.143.

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
52, 18.688, 216.022

Trichromacy



Original Color
52, 88.810, 302.143



Protanomaly
51, 81.635, 291.468



Deuteranomaly
51, 67.217, 286.311



Tritanomaly
51, 37.208, 281.947

Monochromacy



Original Color
52, 88.810, 302.143



Achromatopsia
52, 0.007, 296.813



Achromatomaly
51, 32.805, 297.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 88.810, 302.143 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(117, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 100, 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(117, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 100, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 88.810, 302.143 is called "border". The border property can be set on classes, ids or directly on the HTML element.

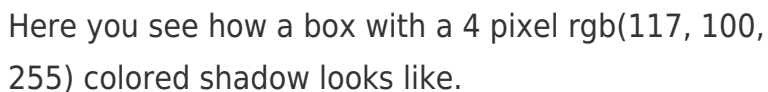
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 100, 255) }
```

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

```
.border{ border-color:rgb(117, 100, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 100, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 100, 255); box-shadow:4px 4px 4px 4px rgb(117, 100, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 88.810, 302.143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 100, 255) }
```

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

```
.background{ background-color: rgb(117,  
100, 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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