

Converting Colors

CIELCh(52, 35.454, 294.942)

Have a look what the booklet for
CIELCh(52, 35.454, 294.942)
contains.

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Color

CIELCh(52, 35.471, 294.976)

Conversions

Conversions Part 1

Format	Color
Hex	7776B3
RGB	119, 118, 179
RGB Percent	47%, 46%, 70%
CMY	0.5332, 0.5371, 0.2979
CMYK	0.34, 0.34, 0.00, 0.30
HSL	241°, 29%, 58%
HSV	241°, 34%, 70%
XYZ	22.2342, 20.1443, 45.3817
YIQ	125.2530, -18.9850, 19.1830

Conversions

Conversions Part 2

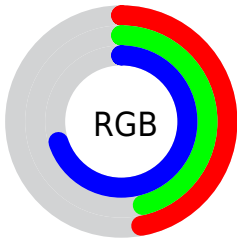
Format	Color
R_{YB}	119, 118, 179
Decimal	7829171
CIE _{Lab}	52.00, 14.98, -32.15
CIE _{LCh}	52, 35.471, 294.976
Yxy	20.1443, 0.2534, 0.2295
Android (android.graphics.Color)	4286019251 (0xFF7776B3)
YUV	125.2530, 26.4973, -5.4839
Hunter-Lab	44.8824, 9.8825, -28.5319

Details

The CIELCh color `52, 35.471, 294.976` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `72, 32.622, 107.662`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 35.491, 295.076`, and `32, 35.403, 295.051` is the 20% darker color. If you saturate the color by 10%, you get `46, 46.858, 296.666`, and if you desaturate by 10%, it is `58, 24.539, 293.517`.

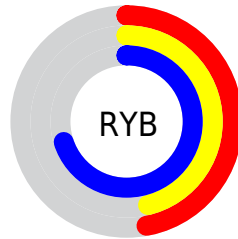
Distribution



Red (47%)

Green (46%)

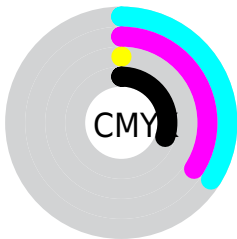
Blue (70%)



Red (47%)

Yellow (46%)

Blue (70%)

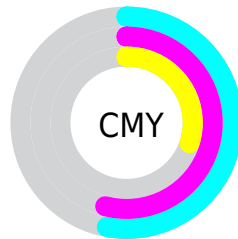


Cyan (34%)

Magenta (34%)

Yellow (0%)

Black (30%)



Cyan (53%)


Magenta (54%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 35.471, 294.976 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, 35.471, 294.976 by changing the saturation by 10% instead.


 52, 35.471,
294.976


 52, 35.471,
294.976


 100, 35.471,
294.976


 42, 35.471,
294.976


 72, 35.471,
294.976

 32, 35.471,
294.976

 82, 35.471,
294.976

 22, 35.471,
294.976

 92, 35.471,
294.976

 12, 35.471,
294.976

 2, 35.471, 294.976

 0, 35.471, 294.976

■ 52, 35.471,
294.976

■ 52, 35.471,
294.976

■ 46, 46.858,
296.666

■ 58, 24.539,
293.517

■ 40, 58.654,
298.579

■ 64, 14.056,
292.273

■ 34, 70.650,
300.654

■ 70, 3.993, 291.222

■ 29, 82.298,
302.738

■ 77, 5.680, 110.298

■ 25, 92.474,
304.562

■ 83, 14.994,
109.536

■ 22, 99.560,
305.801

■ 89, 23.975,
108.881

■ 21, 102.533,
306.337

■ 95, 32.644,
108.318

■ 98, 38.120,
107.270

Harmonies

Complementary

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



52, 35.471, 294.976



72, 32.622, 107.662

Rectangle

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



52, 35.471, 294.976



52, 35.471, 344.976



52, 35.471, 114.976



52, 35.471, 164.976

Sweetspot

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



52, 35.470, 294.976



84, 12.240, 291.840



69, 20.517, 197.768



44, 8.441, 291.991



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



52, 35.470, 294.976



61, 53.556, 296.243



55, 36.781, 310.728



34, 5.591, 291.749



17, 91.298, 306.348



1, 13.319, 290.677

Inverse Universe

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



58, 40.281, 326.714



70, 59.377, 327.100



69, 35.069, 127.494



35, 6.676, 325.366



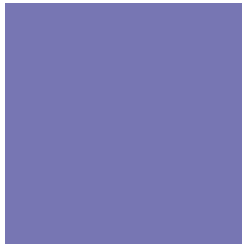
36, 77.934, 328.885



3, 15.985, 325.117

Previews

White Background



This preview shows how the CIELCh color 52, 35.471, 294.976 looks on a white background.

Color Contrast Check

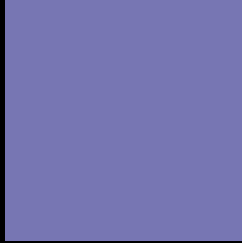
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.471, 294.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

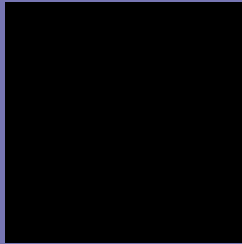
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 35.471, 294.976

Background



This preview shows how black text looks on a background with the CIELCh color 52, 35.471, 294.976.



This preview shows how white text looks on a background with the CIELCh color 52, 35.471, 294.976.

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, 35.471, 294.976

Protanopia

52, 35.020, 285.304

Deuteranopia

52, 32.250, 282.906



Tritanopia
52, 8.454, 242.480

Trichromacy



Original Color
52, 35.471, 294.976

Protanomaly
52, 34.885, 288.215

Deuteranomaly
52, 33.179, 287.629

Tritanomaly
52, 16.603, 278.616

Monochromacy



Original Color
52, 35.471, 294.976

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 13.388, 293.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 35.471, 294.976 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(119, 118, 179)` looks like.

```
.text, #text, p{  
    color:rgb(119, 118, 179)  
}
```

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(119, 118, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 118, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 35.471, 294.976 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(119, 118, 179) }
```

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

```
.border{ border-color:rgb(119, 118, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 118, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 118, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 118, 179);  
box-shadow:4px 4px 4px 4px rgb(119, 118,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 35.471, 294.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 118, 179) }
```

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

```
.background{ background-color: rgb(119,  
118, 179) }
```

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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