

Converting Colors

CIELCh(52, 28.773, 294.264)

Have a look what the booklet for
CIELCh(52, 28.773, 294.264)
contains.

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Color

CIELCh(52, 29.102, 294.393)

Conversions

Conversions Part 1

Format	Color
Hex	7877A9
RGB	120, 119, 169
RGB Percent	47%, 47%, 66%
CMY	0.5283, 0.5323, 0.3361
CMYK	0.29, 0.30, 0.00, 0.34
HSL	241°, 23%, 57%
HSV	241°, 30%, 66%
XYZ	21.5998, 20.1443, 40.4253
YIQ	124.9990, -15.4540, 15.7620

Conversions

Conversions Part 2

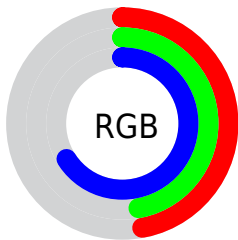
Format	Color
R_{YB}	120, 119, 169
Decimal	7894953
CIE _{Lab}	52.00, 12.02, -26.50
CIE _{LCh}	52, 29.102, 294.393
Yxy	20.1443, 0.2629, 0.2452
Android (android.graphics.Color)	4286085033 (0xFF7877A9)
YUV	124.9990, 21.6925, -4.3841
Hunter-Lab	44.8824, 7.3595, -21.9844

Details

The CIELCh color $52, 29.102, 294.393$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $68, 27.125, 108.253$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 28.947, 294.243$, and $32, 29.136, 294.448$ is the 20% darker color. If you saturate the color by 10%, you get $46, 39.777, 295.955$, and if you desaturate by 10%, it is $58, 18.858, 293.052$.

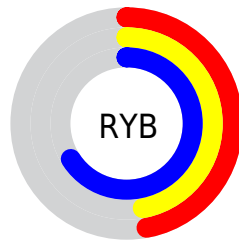
Distribution



Red (47%)

Green (47%)

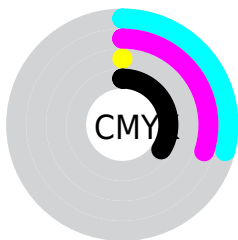
Blue (66%)



Red (47%)

Yellow (47%)

Blue (66%)

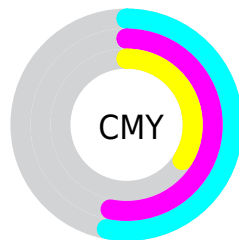


Cyan (29%)

Magenta (30%)

Yellow (0%)

Black (34%)



Cyan (53%)


Magenta (53%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 29.102, 294.393 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, 29.102, 294.393 by changing the saturation by 10% instead.


 52, 29.102,
294.393


 52, 29.102,
294.393


 100, 29.102,
294.393


 42, 29.102,
294.393


 72, 29.102,
294.393

 32, 29.102,
294.393

 82, 29.102,
294.393

 22, 29.102,
294.393

 92, 29.102,
294.393

 12, 29.102,
294.393

 2, 29.102, 294.393

 0, 29.102, 294.393

■ 52, 29.102,
294.393

■ 52, 29.102,
294.393

■ 46, 39.777,
295.955

■ 58, 18.858,
293.052

■ 40, 50.873,
297.744

■ 64, 9.030, 291.910

■ 70, 0.412, 110.809

■ 35, 62.279,
299.728

■ 75, 9.497, 110.096

■ 30, 73.656,
301.805

■ 81, 18.250,
109.390

■ 25, 84.225,
303.767

■ 87, 26.697,
108.784

■ 22, 92.632,
305.306


■ 92, 34.856,
108.262

■ 20, 98.103,
306.307

■ 98, 42.748,
107.811

■ 20, 98.344,

306.353

 98, 42.881,
106.903

Harmonies

Complementary

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



52, 29.102, 294.393



68, 27.125, 108.253

Rectangle

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



52, 29.102, 294.393



52, 29.102, 344.393



52, 29.102, 114.393



52, 29.102, 164.393

Sweetspot

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



52, 29.101, 294.393



81, 10.502, 291.870



66, 17.015, 199.562



42, 7.306, 292.017



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



52, 29.101, 294.393



62, 43.100, 295.314



54, 30.398, 311.031



32, 5.325, 291.882



16, 89.037, 306.365



0, 9.561, 290.861

Inverse Universe

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



57, 33.376, 326.574



69, 48.625, 326.892



66, 29.236, 128.309



33, 6.342, 325.463



35, 75.809, 329.034



2, 11.449, 325.204

Previews

White Background



This preview shows how the CIELCh color 52, 29.102, 294.393 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, 29.102, 294.393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

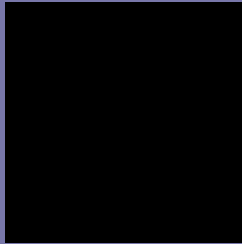
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 29.102, 294.393

Background



This preview shows how black text looks on a background with the CIELCh color 52, 29.102, 294.393.



This preview shows how white text looks on a background with the CIELCh color 52, 29.102, 294.393.

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

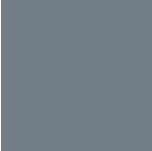
52, 29.102, 294.393

Protanopia

52, 29.189, 285.419

Deuteranopia

52, 27.415, 285.913



Tritanopia
52, 7.483, 250.175

Trichromacy



Original Color
52, 29.102, 294.393

Protanomaly
52, 29.086, 288.541

Deuteranomaly
52, 27.920, 288.817

Tritanomaly
52, 14.155, 280.105

Monochromacy



Original Color
52, 29.102, 294.393

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 10.459, 291.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 29.102, 294.393 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(120, 119, 169)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 169)  
}
```

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(120, 119, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 29.102, 294.393 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(120, 119, 169) }
```

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

```
.border{ border-color:rgb(120, 119, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 119, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 169);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 29.102, 294.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 169) }
```

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

```
.background{ background-color: rgb(120,  
119, 169) }
```

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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