

Converting Colors

CIELCh(52, 35.142, 309.994)

Have a look what the booklet for
CIELCh(52, 35.142, 309.994)
contains.

CIELCh(52, 35.219, 310.158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 35.219, 310.158)

Conversions

Conversions Part 1

Format	Color
Hex	8C70AA
RGB	140, 112, 170
RGB Percent	55%, 44%, 67%
CMY	0.4501, 0.5599, 0.3324
CMYK	0.18, 0.34, 0.00, 0.33
HSL	269°, 25%, 55%
HSV	269°, 34%, 67%
XYZ	23.9514, 20.1443, 40.7744
YIQ	126.9840, -1.9300, 23.9740

Conversions

Conversions Part 2

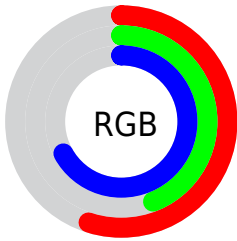
Format	Color
R_{YB}	140, 112, 170
Decimal	9203882
CIE _{Lab}	52.00, 22.71, -26.92
CIE _{LCh}	52, 35.219, 310.158
Yxy	20.1443, 0.2822, 0.2374
Android (android.graphics.Color)	4287393962 (0xFF8C70AA)
YUV	126.9840, 21.2069, 11.4150
Hunter-Lab	44.8824, 16.7119, -22.4456

Details

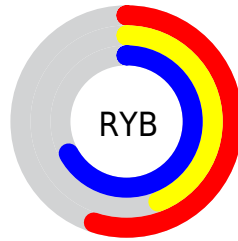
The CIELCh color $52, 35.219, 310.158$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $66, 33.520, 126.882$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 34.938, 310.105$, and $32, 35.301, 310.099$ is the 20% darker color. If you saturate the color by 10%, you get $47, 45.974, 310.715$, and if you desaturate by 10%, it is $57, 24.585, 309.615$.

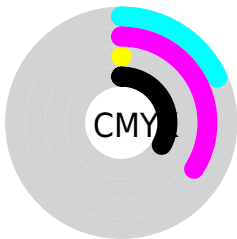
Distribution



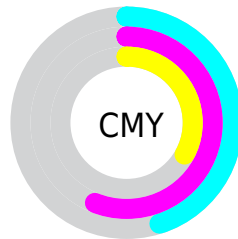
- Red (55%)
- Green (44%)
- Blue (67%)



- Red (55%)
- Yellow (44%)
- Blue (67%)



- Cyan (18%)
- Magenta (34%)
- Yellow (0%)
- Black (33%)





- Cyan (45%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 35.219, 310.158 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, 35.219, 310.158 by changing the saturation by 10% instead.


 52, 35.219,
310.158


 52, 35.219,
310.158


 100, 35.219,
310.158


 42, 35.219,
310.158


 72, 35.219,
310.158


 32, 35.219,
310.158

 82, 35.219,
310.158

 22, 35.219,
310.158

 92, 35.219,
310.158

 12, 35.219,
310.158

 2, 35.219, 310.158

 0, 35.219, 310.158

■ 52, 35.219,
310.158

■ 52, 35.219,
310.158

■ 47, 45.974,
310.715

■ 57, 24.585,
309.615

■ 42, 56.666,
311.254

■ 62, 14.179,
309.103

■ 38, 66.973,
311.725

■ 68, 4.053, 308.619

■ 73, 5.774, 128.239

■ 33, 76.400,
312.049

■ 78, 15.296,
127.853

■ 30, 84.268,
312.123

■ 83, 24.521,
127.518

■ 27, 89.854,
311.831

■ 88, 33.458,
127.225

■ 26, 92.469,
311.581

■ 93, 42.122,
126.970

■ 96, 44.711,
124.525

Harmonies

Complementary

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



52, 35.219, 310.158



66, 33.520, 126.882

Rectangle

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



52, 35.219, 310.158



52, 35.219, 0.158



52, 35.219, 130.158



52, 35.219, 180.158

Sweetspot

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



52, 35.218, 310.158



82, 12.424, 308.913



58, 18.207, 257.040



43, 8.561, 308.979



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



52, 35.218, 310.158



62, 52.946, 310.585



55, 38.771, 325.286



33, 5.609, 308.870



22, 83.281, 311.711



1, 9.977, 306.062

Inverse Universe

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



54, 28.329, 345.867



66, 42.178, 346.769



65, 38.716, 141.255



33, 4.582, 343.440



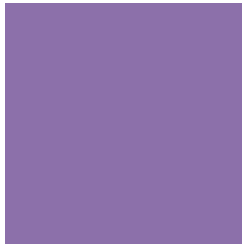
31, 56.748, 359.594



2, 7.878, 346.700

Previews

White Background



This preview shows how the CIELCh color 52, 35.219, 310.158 looks on a white background.

Color Contrast Check

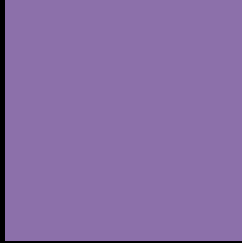
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.219, 310.158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

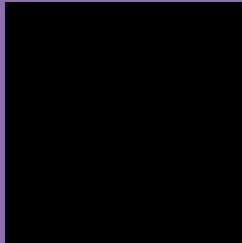
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 35.219, 310.158

Background



This preview shows how black text looks on a background with the CIELCh color 52, 35.219, 310.158.



This preview shows how white text looks on a background with the CIELCh color 52, 35.219, 310.158.

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, 35.219, 310.158

Protanopia
52, 32.692, 285.285

Deuteranopia
52, 26.846, 285.654



Tritanopia
52, 7.803, 332.199

Trichromacy



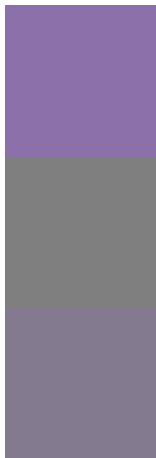
Original Color
52, 35.219, 310.158

Protanomaly
52, 33.171, 294.212

Deuteranomaly
52, 29.756, 296.401

Tritanomaly
52, 17.892, 315.840

Monochromacy



Original Color
52, 35.219, 310.158

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 12.819, 308.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 35.219, 310.158 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(140, 112, 170)` looks like.

```
.text, #text, p{  
    color:rgb(140, 112, 170)  
}
```

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(140, 112, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 112, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 35.219, 310.158 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(140, 112, 170) }
```

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

```
.border{ border-color:rgb(140, 112, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 112, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 112, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 112, 170);  
box-shadow:4px 4px 4px 4px rgb(140, 112,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 35.219, 310.158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 112, 170) }
```

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

```
.background{ background-color: rgb(140,  
112, 170) }
```

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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