

Converting Colors

CIELCh(52, 21.898, 302.277)

Have a look what the booklet for
CIELCh(52, 21.898, 302.277)
contains.

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Color

CIELCh(52, 21.898, 302.277)

Conversions

Conversions Part 1

Format	Color
Hex	81779C
RGB	129, 119, 156
RGB Percent	51%, 47%, 61%
CMY	0.4954, 0.5346, 0.3896
CMYK	0.17, 0.24, 0.00, 0.39
HSL	256°, 16%, 54%
HSV	256°, 24%, 61%
XYZ	21.5309, 20.1443, 34.0521
YIQ	126.2080, -5.9170, 13.6270

Conversions

Conversions Part 2

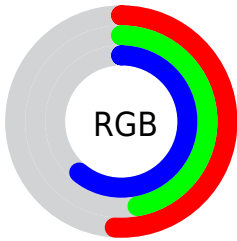
Format	Color
R_{YB}	129, 119, 156
Decimal	8484764
CIE _{Lab}	52.00, 11.69, -18.51
CIE _{LCh}	52, 21.898, 302.277
Yxy	20.1443, 0.2843, 0.2660
Android (android.graphics.Color)	4286674844 (0xFF81779C)
YUV	126.2080, 14.6875, 2.4486
Hunter-Lab	44.8824, 7.0852, -13.5653

Details

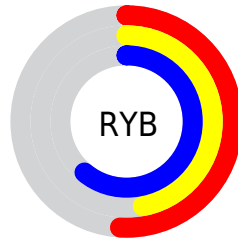
The CIELCh color $52, 21.898, 302.277$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 20.891, 119.265$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 22.223, 302.114$, and $32, 21.829, 301.711$ is the 20% darker color. If you saturate the color by 10%, you get $47, 31.656, 303.104$, and if you desaturate by 10%, it is $57, 12.459, 301.540$.

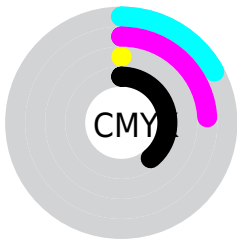
Distribution



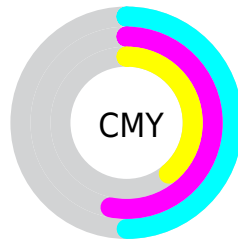
- Red (51%)
- Green (47%)
- Blue (61%)



- Red (51%)
- Yellow (47%)
- Blue (61%)



- Cyan (17%)
- Magenta (24%)
- Yellow (0%)
- Black (39%)





- Cyan (50%)
- Magenta (53%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 21.898, 302.277 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, 21.898, 302.277 by changing the saturation by 10% instead.


 52, 21.898,
302.277


 52, 21.898,
302.277


 100, 21.898,
302.277


 42, 21.898,
302.277


 72, 21.898,
302.277

 32, 21.898,
302.277

 82, 21.898,
302.277

 22, 21.898,
302.277

 92, 21.898,
302.277

 12, 21.898,
302.277

 2, 21.898, 302.277

 0, 21.898, 302.277

■ 52, 21.898,
302.277

■ 52, 21.898,
302.277

■ 47, 31.656,
303.104

■ 57, 12.459,
301.540

■ 42, 41.700,
304.019

■ 62, 3.349, 300.887

■ 67, 5.441, 120.339

■ 37, 51.927,
304.998

■ 73, 13.925,
119.846

■ 32, 62.118,
305.995

■ 78, 22.120,
119.423

■ 28, 71.849,
306.918

■ 83, 30.043,
119.058

■ 24, 80.401,
307.625


■ 88, 37.712,
118.743

■ 21, 86.807,
307.932

■ 92, 45.142,
118.473

■ 20, 90.117,

308.072

 96, 50.401,
117.133

Harmonies

Complementary

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



52, 21.898, 302.277



63, 20.891, 119.265

Rectangle

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



52, 21.898, 302.277



52, 21.898, 352.277



52, 21.898, 122.277



52, 21.898, 172.277

Sweetspot

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



52, 21.897, 302.276



77, 7.733, 301.100



59, 11.054, 229.198



40, 5.069, 301.134



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



52, 21.897, 302.276



63, 33.312, 302.745



54, 23.904, 318.812



31, 5.145, 301.237



17, 84.539, 308.136



1, 6.621, 300.145

Inverse Universe

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



54, 21.114, 334.690



66, 31.800, 335.114



61, 23.597, 136.673



31, 5.053, 333.673



31, 61.359, 342.360



1, 6.400, 334.508

Previews

White Background



This preview shows how the CIELCh color 52, 21.898, 302.277 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, 21.898, 302.277 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, 21.898, 302.277

Background



This preview shows how black text looks on a background with the CIELCh color 52, 21.898, 302.277.



This preview shows how white text looks on a background with the CIELCh color 52, 21.898, 302.277.

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, 21.898, 302.277

Protanopia

52, 21.004, 285.168

Deuteranopia

52, 19.174, 290.425



Tritanopia
52, 5.877, 298.500

Trichromacy



Original Color
52, 21.898, 302.277

Protanomaly
52, 21.513, 291.900

Deuteranomaly
52, 19.802, 294.690

Tritanomaly
52, 11.827, 300.829

Monochromacy



Original Color
52, 21.898, 302.277

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 8.300, 301.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 21.898, 302.277 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(129, 119, 156)` looks like.

```
.text, #text, p{  
    color:rgb(129, 119, 156)  
}
```

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(129, 119, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 119, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 21.898, 302.277 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(129, 119, 156) }
```

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

```
.border{ border-color:rgb(129, 119, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 119, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 119, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 119, 156);  
box-shadow:4px 4px 4px 4px rgb(129, 119,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 21.898, 302.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 119, 156) }
```

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

```
.background{ background-color: rgb(129,  
119, 156) }
```

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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