

Converting Colors

CIELCh(52, 23.255, 309.097)

Have a look what the booklet for
CIELCh(52, 23.255, 309.097)
contains.

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Color

CIELCh(52, 23.161, 309.321)

Conversions

Conversions Part 1

Format	Color
Hex	87759B
RGB	135, 117, 155
RGB Percent	53%, 46%, 61%
CMY	0.4717, 0.5422, 0.3933
CMYK	0.13, 0.25, 0.00, 0.39
HSL	268°, 16%, 53%
HSV	268°, 25%, 61%
XYZ	22.1691, 20.1443, 33.6050
YIQ	126.7140, -1.4700, 15.6340

Conversions

Conversions Part 2

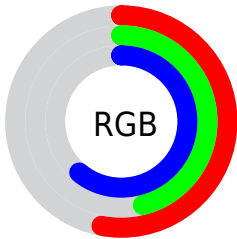
Format	Color
R_{YB}	135, 117, 155
Decimal	8877467
CIE _{Lab}	52.00, 14.68, -17.92
CIE _{LCh}	52, 23.161, 309.321
Yxy	20.1443, 0.2920, 0.2653
Android (android.graphics.Color)	4287067547 (0xFF87759B)
YUV	126.7140, 13.9450, 7.2668
Hunter-Lab	44.8824, 9.6236, -12.9748

Details

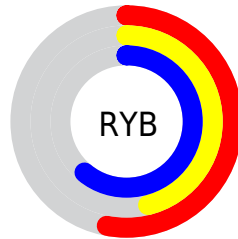
The CIELCh color $52, 23.161, 309.321$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 22.363, 127.020$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 23.534, 309.562$, and $32, 23.091, 309.200$ is the 20% darker color. If you saturate the color by 10%, you get $47, 32.992, 309.869$, and if you desaturate by 10%, it is $57, 13.539, 308.805$.

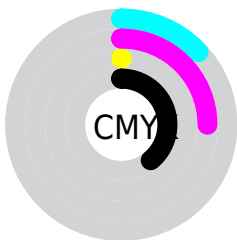
Distribution



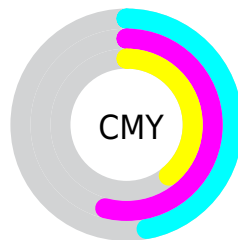
- Red (53%)
- Green (46%)
- Blue (61%)



- Red (53%)
- Yellow (46%)
- Blue (61%)



- Cyan (13%)
- Magenta (25%)
- Yellow (0%)
- Black (39%)





- Cyan (47%)
- Magenta (54%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 23.161, 309.321 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, 23.161, 309.321 by changing the saturation by 10% instead.


 52, 23.161,
309.321


 52, 23.161,
309.321


 100, 23.161,
309.321


 42, 23.161,
309.321


 72, 23.161,
309.321

 32, 23.161,
309.321

 82, 23.161,
309.321

 22, 23.161,
309.321

 92, 23.161,
309.321

 12, 23.161,
309.321

 2, 23.161, 309.321

 0, 23.161, 309.321

■ 52, 23.161,
309.321

■ 52, 23.161,
309.321

■ 47, 32.992,
309.869

■ 57, 13.539,
308.805

■ 43, 42.944,
310.432

■ 62, 4.177, 308.319

■ 67, 4.908, 127.935

■ 38, 52.845,
310.981

■ 71, 13.712,
127.545

■ 34, 62.405,
311.464

■ 76, 22.242,
127.208

■ 30, 71.172,
311.805

■ 81, 30.507,
126.913

■ 27, 78.524,
311.900


■ 86, 38.520,
126.657

■ 24, 83.806,
311.638

■ 90, 46.295,
126.434

■ 23, 86.278,

311.468

 95, 53.306,
126.067

Harmonies

Complementary

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



52, 23.161, 309.321



62, 22.363, 127.020

Rectangle

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



52, 23.161, 309.321



52, 23.161, 359.321



52, 23.161, 129.321



52, 23.161, 179.321

Sweetspot

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



52, 23.159, 309.320



77, 7.992, 308.445



56, 12.256, 255.200



40, 5.238, 308.470



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, 23.159, 309.320



64, 34.137, 309.592



54, 25.908, 324.801



30, 5.172, 308.544



20, 80.232, 311.565



1, 5.512, 307.858

Inverse Universe

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



53, 18.929, 344.343



66, 27.784, 344.846



60, 25.859, 142.036



30, 4.260, 342.943



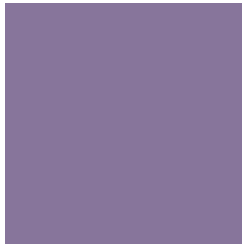
30, 54.749, 358.553



1, 4.529, 342.714

Previews

White Background



This preview shows how the CIELCh color 52, 23.161, 309.321 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, 23.161, 309.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

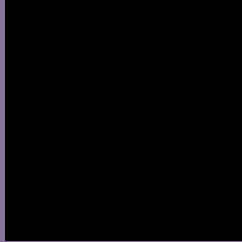
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 23.161, 309.321

Background



This preview shows how black text looks on a background with the CIELCh color 52, 23.161, 309.321.



This preview shows how white text looks on a background with the CIELCh color 52, 23.161, 309.321.

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

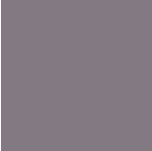
52, 23.161, 309.321

Protanopia

52, 21.004, 285.168

Deuteranopia

52, 18.592, 291.376



Tritanopia
52, 7.060, 324.817

Trichromacy



Original Color
52, 23.161, 309.321

Protanomaly
52, 20.945, 293.729

Deuteranomaly
52, 19.947, 298.848

Tritanomaly
52, 13.261, 313.721

Monochromacy



Original Color
52, 23.161, 309.321

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 7.928, 308.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 23.161, 309.321 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(135, 117, 155)` looks like.

```
.text, #text, p{  
    color:rgb(135, 117, 155)  
}
```

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(135, 117, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 117, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 23.161, 309.321 is called "border". The border property can be set on classes, ids or directly on the HTML element.

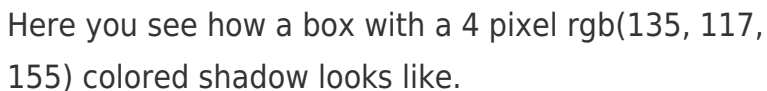
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 117, 155) }
```

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

```
.border{ border-color:rgb(135, 117, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 117, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 117, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 117, 155);  
box-shadow:4px 4px 4px 4px rgb(135, 117,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 23.161, 309.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 117, 155) }
```

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

```
.background{ background-color: rgb(135,  
117, 155) }
```

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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