

Converting Colors

CIELCh(52, 23.191, 303.661)

Have a look what the booklet for
CIELCh(52, 23.191, 303.661)
contains.

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Color

CIELCh(52, 23.191, 303.661)

Conversions

Conversions Part 1

Format	Color
Hex	82769D
RGB	130, 118, 157
RGB Percent	51%, 46%, 62%
CMY	0.4901, 0.5372, 0.3842
CMYK	0.17, 0.25, 0.00, 0.38
HSL	258°, 17%, 54%
HSV	258°, 25%, 62%
XYZ	21.7777, 20.1443, 34.6488
YIQ	126.0340, -5.3670, 14.6730

Conversions

Conversions Part 2

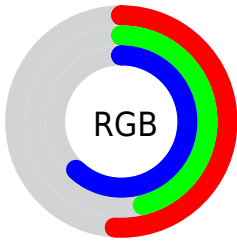
Format	Color
R_{YB}	130, 118, 157
Decimal	8550045
CIE _{Lab}	52.00, 12.85, -19.30
CIE _{LCh}	52, 23.191, 303.661
Yxy	20.1443, 0.2844, 0.2631
Android (android.graphics.Color)	4286740125 (0xFF82769D)
YUV	126.0340, 15.2662, 3.4782
Hunter-Lab	44.8824, 8.0670, -14.3536

Details

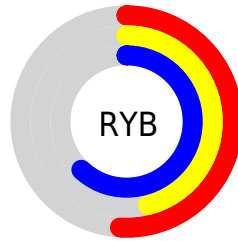
The CIELCh color $52, 23.191, 303.661$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $63, 22.121, 120.699$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 23.441, 303.397$, and $32, 23.216, 303.265$ is the 20% darker color. If you saturate the color by 10%, you get $47, 33.065, 304.432$, and if you desaturate by 10%, it is $57, 13.619, 302.967$.

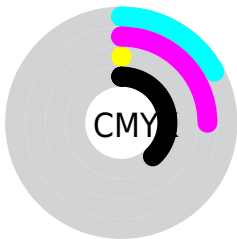
Distribution



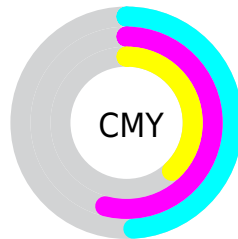
- Red (51%)
- Green (46%)
- Blue (62%)



- Red (51%)
- Yellow (46%)
- Blue (62%)



- Cyan (17%)
- Magenta (25%)
- Yellow (0%)
- Black (38%)





- Cyan (49%)
- Magenta (54%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 23.191, 303.661 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, 23.191, 303.661 by changing the saturation by 10% instead.


 52, 23.191,
303.661


 52, 23.191,
303.661


 100, 23.191,
303.661


 42, 23.191,
303.661


 72, 23.191,
303.661

 32, 23.191,
303.661

 82, 23.191,
303.661

 22, 23.191,
303.661

 92, 23.191,
303.661

 12, 23.191,
303.661

 2, 23.191, 303.661

 0, 23.191, 303.661

52, 23.191,
303.661

52, 23.191,
303.661

47, 33.065,
304.432

57, 13.619,
302.967

42, 43.193,
305.273

62, 4.368, 302.348

37, 53.451,
306.159

67, 4.565, 121.831

32, 63.589,
307.036

72, 13.193,
121.357

28, 73.148,
307.813

78, 21.530,
120.950

24, 81.396,
308.350

83, 29.593,
120.599


22, 87.433,
308.484

87, 37.398,
120.297

20, 90.137,

92, 44.961,
120.037

308.543

 96, 50.013,
118.608

Harmonies

Complementary

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



52, 23.191, 303.661



63, 22.121, 120.699

Rectangle

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



52, 23.191, 303.661



52, 23.191, 353.661



52, 23.191, 123.661



52, 23.191, 173.661

Sweetspot

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



52, 23.190, 303.660



78, 7.851, 302.485



59, 11.589, 233.807



40, 5.094, 302.517



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, 23.190, 303.660



63, 34.999, 304.094



54, 25.389, 319.886



31, 5.170, 302.614



18, 84.006, 308.620



1, 6.652, 301.491

Inverse Universe

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



54, 21.664, 336.334



66, 32.385, 336.782



62, 25.104, 137.576



31, 4.920, 335.184



31, 59.890, 344.989



1, 6.228, 336.071

Previews

White Background



This preview shows how the CIELCh color 52, 23.191, 303.661 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, 23.191, 303.661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

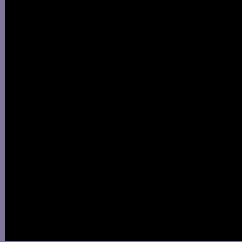
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 23.191, 303.661

Background



This preview shows how black text looks on a background with the CIELCh color 52, 23.191, 303.661.



This preview shows how white text looks on a background with the CIELCh color 52, 23.191, 303.661.

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, 23.191, 303.661

Protanopia

52, 21.612, 284.577

Deuteranopia

52, 19.761, 289.546



Tritanopia
52, 5.377, 303.402

Trichromacy



Original Color
52, 23.191, 303.661

Protanomaly
52, 22.092, 291.996

Deuteranomaly
52, 20.380, 294.692

Tritanomaly
52, 11.896, 302.640

Monochromacy



Original Color
52, 23.191, 303.661

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, 23.191, 303.661 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(130, 118, 157)` looks like.

```
.text, #text, p{  
    color:rgb(130, 118, 157)  
}
```

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(130, 118, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 118, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 23.191, 303.661 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(130, 118, 157) }
```

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

```
.border{ border-color:rgb(130, 118, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 118, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 118, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 118, 157);  
box-shadow:4px 4px 4px 4px rgb(130, 118,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 23.191, 303.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 118, 157) }
```

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

```
.background{ background-color: rgb(130,  
118, 157) }
```

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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