

Converting Colors

CIELCh(52, 22.928, 304.804)

Have a look what the booklet for
CIELCh(52, 22.928, 304.804)
contains.

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Color

CIELCh(52, 22.695, 304.815)

Conversions

Conversions Part 1

Format	Color
Hex	83769C
RGB	131, 118, 156
RGB Percent	51%, 46%, 61%
CMY	0.4867, 0.5377, 0.3887
CMYK	0.16, 0.24, 0.00, 0.39
HSL	261°, 16%, 54%
HSV	261°, 24%, 61%
XYZ	21.7997, 20.1443, 34.1412
YIQ	126.2190, -4.4500, 14.5740

Conversions

Conversions Part 2

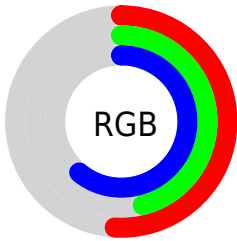
Format	Color
R_{YB}	131, 118, 156
Decimal	8615580
CIE _{Lab}	52.00, 12.96, -18.63
CIE _{LCh}	52, 22.695, 304.815
Yxy	20.1443, 0.2865, 0.2648
Android (android.graphics.Color)	4286805660 (0xFF83769C)
YUV	126.2190, 14.6820, 4.1929
Hunter-Lab	44.8824, 8.1545, -13.6831

Details

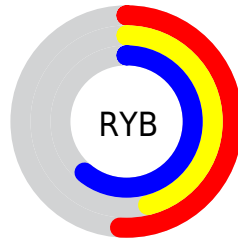
The CIELCh color `52, 22.695, 304.815` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `62, 21.716, 122.078`, and the grayscale version is `53, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 22.981, 304.494`, and `32, 22.660, 304.429` is the 20% darker color. If you saturate the color by 10%, you get `47, 32.510, 305.527`, and if you desaturate by 10%, it is `57, 13.164, 304.170`.

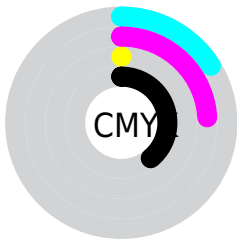
Distribution



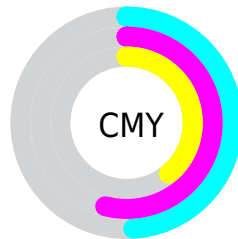
- Red (51%)
- Green (46%)
- Blue (61%)



- Red (51%)
- Yellow (46%)
- Blue (61%)



- Cyan (16%)
- Magenta (24%)
- Yellow (0%)
- Black (39%)





- Cyan (49%)
- Magenta (54%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 22.695, 304.815 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, 22.695, 304.815 by changing the saturation by 10% instead.


 52, 22.695,
304.815


 52, 22.695,
304.815


 100, 22.695,
304.815


 42, 22.695,
304.815


 72, 22.695,
304.815

 32, 22.695,
304.815

 82, 22.695,
304.815

 22, 22.695,
304.815

 92, 22.695,
304.815

 12, 22.695,
304.815

 2, 22.695, 304.815

 0, 22.695, 304.815

52, 22.695,
304.815

52, 22.695,
304.815

47, 32.510,
305.527

57, 13.164,
304.170

42, 42.557,
306.296

62, 3.942, 303.588

67, 4.972, 123.108

37, 52.705,
307.097

72, 13.586,
122.660

33, 62.706,
307.878

77, 21.915,
122.276

28, 72.114,
308.553

82, 29.973,
121.943

25, 80.235,
308.992


87, 37.777,
121.656

22, 86.217,
309.042

92, 45.341,
121.410

21, 89.095,

309.044

 96, 50.979,
120.386

Harmonies

Complementary

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



52, 22.695, 304.815



62, 21.716, 122.078

Rectangle

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



52, 22.695, 304.815



52, 22.695, 354.815



52, 22.695, 124.815



52, 22.695, 174.815

Sweetspot

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



52, 22.694, 304.814



77, 7.810, 303.744



58, 11.373, 238.241



40, 5.119, 303.774



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, 22.694, 304.814



63, 33.553, 305.175



54, 24.970, 320.878



31, 5.196, 303.866



18, 83.484, 309.120



1, 6.684, 302.715

Inverse Universe

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



54, 20.635, 337.808



66, 30.275, 338.232



61, 24.745, 138.543



31, 4.800, 336.644



31, 58.676, 347.555



1, 6.081, 337.526

Previews

White Background



This preview shows how the CIELCh color 52, 22.695, 304.815 looks on a white background.

Color Contrast Check

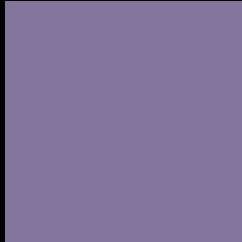
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.695, 304.815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

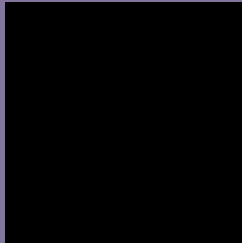
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 22.695, 304.815

Background



This preview shows how black text looks on a background with the CIELCh color 52, 22.695, 304.815.



This preview shows how white text looks on a background with the CIELCh color 52, 22.695, 304.815.

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, 22.695, 304.815

Protanopia

52, 21.004, 285.168

Deuteranopia

52, 19.174, 290.425



Tritanopia
52, 6.162, 309.377

Trichromacy



Original Color
52, 22.695, 304.815

Protanomaly
52, 21.516, 292.832

Deuteranomaly
52, 19.822, 295.724

Tritanomaly
52, 11.977, 304.434

Monochromacy



Original Color
52, 22.695, 304.815

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 8.383, 304.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 22.695, 304.815 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(131, 118, 156)` looks like.

```
.text, #text, p{  
    color:rgb(131, 118, 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(131, 118, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 118, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 22.695, 304.815 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(131, 118, 156) }
```

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

```
.border{ border-color:rgb(131, 118, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 118, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 118, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 118, 156);  
box-shadow:4px 4px 4px 4px rgb(131, 118,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 22.695, 304.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 118, 156) }
```

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

```
.background{ background-color: rgb(131,  
118, 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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