

Converting Colors

CIELCh(51, 22.354, 324.145)

Have a look what the booklet for
CIELCh(51, 22.354, 324.145)
contains.

CIELCh(51, 22.630, 323.931)	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(51, 22.630, 323.931)

Conversions

Conversions Part 1

Format	Color
Hex	8E6F90
RGB	142, 111, 144
RGB Percent	56%, 44%, 56%
CMY	0.4415, 0.5631, 0.4337
CMYK	0.01, 0.23, 0.00, 0.43
HSL	296°, 13%, 50%
HSV	296°, 23%, 57%
XYZ	22.0194, 19.2686, 29.1092
YIQ	124.0310, 7.8830, 16.8350

Conversions

Conversions Part 2

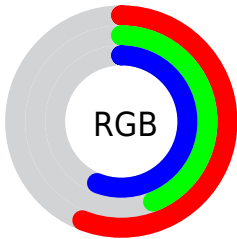
Format	Color
R_{YB}	142, 111, 144
Decimal	9334672
CIE _{Lab}	51.00, 18.29, -13.32
CIE _{LCh}	51, 22.630, 323.931
Yxy	19.2686, 0.3128, 0.2737
Android (android.graphics.Color)	4287524752 (0xFF8E6F90)
YUV	124.0310, 9.8447, 15.7588
Hunter-Lab	43.8960, 12.7221, -8.5904

Details

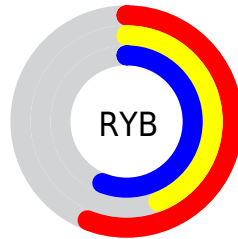
The CIELCh color $[51, 22.630, 323.931]$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $[57, 22.558, 141.483]$, and the grayscale version is $[52, 0.007, 296.813]$.

A 20% lighter version of the original color is $[71, 22.624, 323.791]$, and $[31, 22.718, 323.280]$ is the 20% darker color. If you saturate the color by 10%, you get $[47, 32.493, 324.413]$, and if you desaturate by 10%, it is $[55, 12.683, 323.432]$.

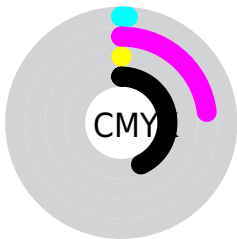
Distribution



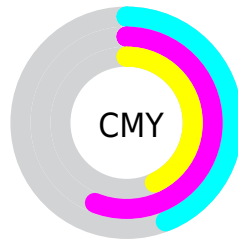
- Red (56%)
- Green (44%)
- Blue (56%)



- Red (56%)
- Yellow (44%)
- Blue (56%)



- Cyan (1%)
- Magenta (23%)
- Yellow (0%)
- Black (43%)





- Cyan (44%)
- Magenta (56%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 22.630, 323.931 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 51, 22.630, 323.931 by changing the saturation by 10% instead.


 51, 22.630,
323.931


 51, 22.630,
323.931


 100, 22.630,
323.931


 41, 22.630,
323.931


 71, 22.630,
323.931

 31, 22.630,
323.931

 81, 22.630,
323.931

 21, 22.630,
323.931

 91, 22.630,
323.931

 11, 22.630,
323.931

 1, 22.630, 323.931

 0, 22.630, 323.931

51, 22.630,
323.931

51, 22.630,
323.931

47, 32.493,
324.413

55, 12.683,
323.432

44, 42.064,
324.863

59, 2.806, 322.885

41, 51.056,
325.264

63, 6.905, 142.496

38, 59.119,
325.593

67, 16.390,
142.011

36, 65.873,
325.829

71, 25.616,
141.559

34, 70.979,
325.953

75, 34.570,
141.133


33, 74.242,
325.953

79, 43.248,
140.733

32, 75.912,

84, 51.656,
140.361

325.910

 88, 59.804,
140.014

Harmonies

Complementary

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



51, 22.630, 323.931



57, 22.558, 141.483

Rectangle

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



51, 22.630, 323.931



51, 22.630, 13.931



51, 22.630, 143.931



51, 22.630, 193.931

Sweetspot

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



51, 22.628, 323.931



73, 8.556, 323.137



49, 18.136, 290.036



38, 5.543, 323.163



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



51, 22.628, 323.931



63, 33.248, 324.161



51, 17.086, 342.049



28, 5.504, 323.243



30, 72.339, 325.924



1, 3.695, 322.809

Inverse Universe

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



50, 13.925, 16.320



62, 20.774, 16.865



57, 16.752, 158.354



28, 3.252, 14.986



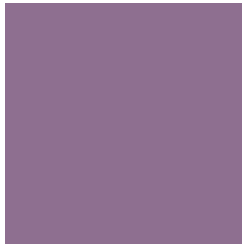
27, 62.234, 36.359



0, 2.132, 14.382

Previews

White Background



This preview shows how the CIELCh color 51, 22.630, 323.931 looks on a white background.

Color Contrast Check

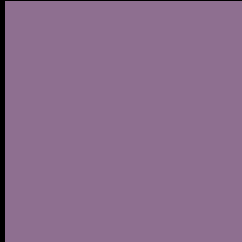
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 22.630, 323.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

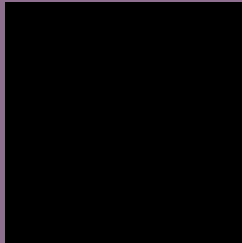
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 22.630, 323.931

Background



This preview shows how black text looks on a background with the CIELCh color 51, 22.630, 323.931.



This preview shows how white text looks on a background with the CIELCh color 51, 22.630, 323.931.

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

51, 22.630, 323.931

Protanopia

51, 18.121, 286.814

Deuteranopia

51, 14.117, 298.008



Tritanopia
51, 11.423, 353.602

Trichromacy



Original Color
51, 22.630, 323.931

Protanomaly
51, 18.981, 301.384

Deuteranomaly
51, 17.258, 309.945

Tritanomaly
51, 14.615, 338.667

Monochromacy



Original Color
51, 22.630, 323.931

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 8.479, 324.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 22.630, 323.931 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(142, 111, 144)` looks like.

```
.text, #text, p{  
    color:rgb(142, 111, 144)  
}
```

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(142, 111, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 111, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 22.630, 323.931 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(142, 111, 144) }
```

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

```
.border{ border-color:rgb(142, 111, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 111, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 111, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 111, 144);  
box-shadow:4px 4px 4px 4px rgb(142, 111,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 22.630, 323.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 111, 144) }
```

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

```
.background{ background-color: rgb(142,  
111, 144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor