

Converting Colors

CIELCh(51, 11.885, 318.690)

Have a look what the booklet for
CIELCh(51, 11.885, 318.690)
contains.

CIELCh(51, 11.885, 318.690)	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, 11.885, 318.690)

Conversions

Conversions Part 1

Format	Color
Hex	837587
RGB	131, 117, 135
RGB Percent	51%, 46%, 53%
CMY	0.4866, 0.5415, 0.4709
CMYK	0.03, 0.13, 0.00, 0.47
HSL	287°, 7%, 49%
HSV	287°, 13%, 53%
XYZ	20.0657, 19.2686, 25.5519
YIQ	123.2380, 2.5660, 8.5660

Conversions

Conversions Part 2

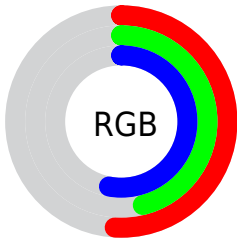
Format	Color
R_YB	131, 117, 135
Decimal	8615303
CIE Lab	51.00, 8.93, -7.85
CIE LCh	51, 11.885, 318.690
Yxy	19.2686, 0.3092, 0.2970
Android (android.graphics.Color)	4286805383 (0xFF837587)
YUV	123.2380, 5.7987, 6.8073
Hunter-Lab	43.8960, 4.7777, -3.7856

Details

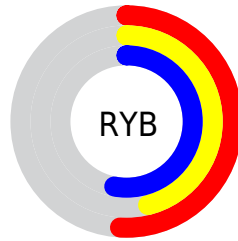
The CIELCh color $51, 11.885, 318.690$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 11.795, 137.557$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 11.813, 318.918$, and $31, 11.610, 319.946$ is the 20% darker color. If you saturate the color by 10%, you get $47, 20.939, 319.123$, and if you desaturate by 10%, it is $55, 2.950, 318.229$.

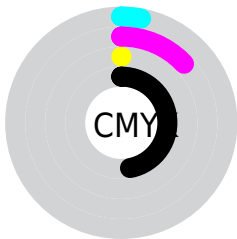
Distribution



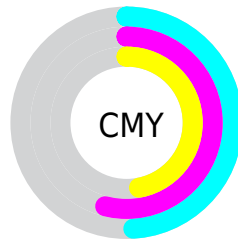
- Red (51%)
- Green (46%)
- Blue (53%)



- Red (51%)
- Yellow (46%)
- Blue (53%)



- Cyan (3%)
- Magenta (13%)
- Yellow (0%)
- Black (47%)





- Cyan (49%)
- Magenta (54%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 11.885, 318.690 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, 11.885, 318.690 by changing the saturation by 10% instead.


 51, 11.885,
318.690


 51, 11.885,
318.690


 100, 11.885,
318.690


 41, 11.885,
318.690


 71, 11.885,
318.690

 31, 11.885,
318.690

 81, 11.885,
318.690

 21, 11.885,
318.690

 91, 11.885,
318.690

 11, 11.885,
318.690

 1, 11.885, 318.690

 0, 11.885, 318.690

51, 11.885,
318.690

51, 11.885,
318.690

47, 20.939,
319.123

55, 2.950, 318.229

43, 30.018,
319.546

59, 5.799, 137.901

40, 38.966,
319.941

63, 14.332,
137.501

36, 47.559,
320.283

67, 22.631,
137.137

33, 55.490,
320.536

71, 30.693,
136.803

31, 62.384,
320.661

75, 38.520,
136.496


29, 67.840,
320.611


79, 46.120,
136.216

27, 71.549,

83, 53.501,
135.962

320.345

 87, 60.675,
135.731

 26, 73.568,
320.126

Harmonies

Complementary

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



51, 11.885, 318.690



55, 11.795, 137.557

Rectangle

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



51, 11.885, 318.690



51, 11.885, 8.690



51, 11.885, 138.690



51, 11.885, 188.690

Sweetspot

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



51, 11.883, 318.689



70, 4.393, 318.270



51, 8.169, 279.964



37, 3.148, 318.304



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 11.883, 318.689



64, 17.749, 318.821



51, 10.526, 333.807



26, 4.936, 318.504



25, 71.631, 320.152



0, 1.173, 318.139

Inverse Universe

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



51, 7.710, 2.771



64, 11.569, 3.100



55, 10.473, 152.093



26, 3.181, 2.325



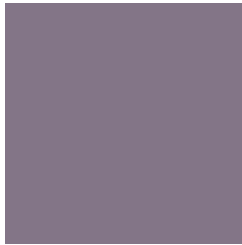
26, 54.827, 25.915



0, 0.746, 1.564

Previews

White Background



This preview shows how the CIELCh color 51, 11.885, 318.690 looks on a white background.

Color Contrast Check

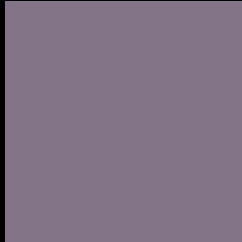
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.885, 318.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

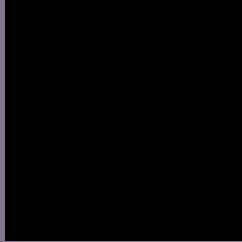
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 11.885, 318.690

Background



This preview shows how black text looks on a background with the CIELCh color 51, 11.885, 318.690.



This preview shows how white text looks on a background with the CIELCh color 51, 11.885, 318.690.

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, 11.885, 318.690

Protanopia

51, 9.343, 286.724

Deuteranopia

51, 10.566, 310.617



Tritanopia
51, 7.131, 332.883

Trichromacy



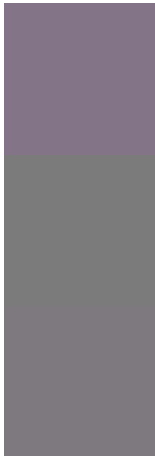
Original Color
51, 11.885, 318.690

Protanomaly
51, 9.424, 298.352

Deuteranomaly
51, 10.701, 312.596

Tritanomaly
51, 8.491, 324.906

Monochromacy



Original Color
51, 11.885, 318.690

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 4.041, 319.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 11.885, 318.690 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, 117, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 117, 135)  
}
```

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, 117, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 117, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 11.885, 318.690 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, 117, 135) }
```

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

```
.border{ border-color:rgb(131, 117, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 117, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 117, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 117, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 117,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 11.885, 318.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 117, 135) }
```

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

```
.background{ background-color: rgb(131,  
117, 135) }
```

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