

Converting Colors

CIELCh(51, 11.698, 311.235)

Have a look what the booklet for
CIELCh(51, 11.698, 311.235)
contains.

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Color

CIELCh(51, 11.244, 311.531)

Conversions

Conversions Part 1

Format	Color
Hex	807688
RGB	128, 118, 136
RGB Percent	50%, 46%, 53%
CMY	0.4987, 0.5379, 0.4673
CMYK	0.06, 0.13, 0.00, 0.47
HSL	273°, 7%, 50%
HSV	273°, 13%, 53%
XYZ	19.7695, 19.2686, 25.9087
YIQ	123.0420, 0.1820, 7.7180

Conversions

Conversions Part 2

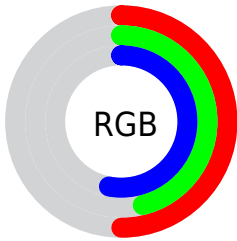
Format	Color
R_{YB}	128, 118, 136
Decimal	8418952
CIE _{Lab}	51.00, 7.46, -8.42
CIE _{LCh}	51, 11.244, 311.531
Yxy	19.2686, 0.3044, 0.2967
Android (android.graphics.Color)	4286609032 (0xFF807688)
YUV	123.0420, 6.3883, 4.3482
Hunter-Lab	43.8960, 3.5731, -4.2675

Details

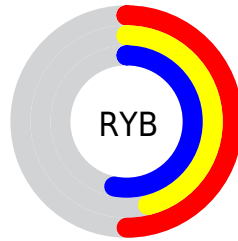
The CIELCh color $51, 11.244, 311.531$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $55, 11.069, 130.439$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 11.189, 312.188$, and $31, 10.913, 311.962$ is the 20% darker color. If you saturate the color by 10%, you get $47, 19.967, 311.987$, and if you desaturate by 10%, it is $55, 2.724, 311.077$.

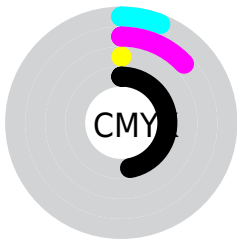
Distribution



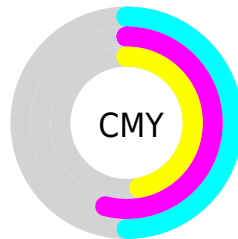
- Red (50%)
- Green (46%)
- Blue (53%)



- Red (50%)
- Yellow (46%)
- Blue (53%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (47%)





- Cyan (50%)
- Magenta (54%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 11.244, 311.531 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, 11.244, 311.531 by changing the saturation by 10% instead.


 51, 11.244,
311.531


 51, 11.244,
311.531


 100, 11.244,
311.531


 41, 11.244,
311.531


 71, 11.244,
311.531

 31, 11.244,
311.531

 81, 11.244,
311.531

 21, 11.244,
311.531

 91, 11.244,
311.531

 11, 11.244,
311.531

 1, 11.244, 311.531

 0, 11.244, 311.531

51, 11.244,
311.531

51, 11.244,
311.531

47, 19.967,
311.987

55, 2.724, 311.077

43, 28.847,
312.461

60, 5.564, 130.744

39, 37.787,
312.937

64, 13.611,
130.381

35, 46.629,
313.384

68, 21.420,
130.062

31, 55.118,
313.760

72, 28.997,
129.780

28, 62.879,
314.001

76, 36.349,
129.531

25, 69.420,
314.025


81, 43.489,
129.312

23, 74.227,

85, 50.428,
129.122

313.743

 89, 57.176,
128.956

 21, 77.032,
313.516

Harmonies

Complementary

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



51, 11.244, 311.531



55, 11.069, 130.439

Rectangle

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



51, 11.244, 311.531



51, 11.244, 1.531



51, 11.244, 131.531



51, 11.244, 181.531

Sweetspot

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



51, 11.242, 311.530



70, 4.148, 311.119



52, 6.446, 262.424



36, 2.973, 311.152



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, 11.242, 311.530



63, 16.839, 311.669



52, 12.234, 326.509



27, 4.818, 311.349



21, 75.682, 313.542



0, 2.211, 310.981

Inverse Universe

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



51, 8.626, 347.862



64, 12.919, 348.162



55, 12.217, 145.037



27, 3.696, 347.476



27, 51.956, 5.889



0, 1.694, 346.751

Previews

White Background



This preview shows how the CIELCh color 51, 11.244, 311.531 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 CIE LCh color 51, 11.244, 311.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

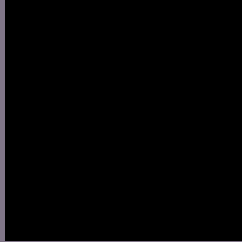
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 11.244, 311.531

Background



This preview shows how black text looks on a background with the CIELCh color 51, 11.244, 311.531.



This preview shows how white text looks on a background with the CIELCh color 51, 11.244, 311.531.

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, 11.244, 311.531

Protanopia

51, 9.923, 287.083

Deuteranopia

51, 11.116, 309.642



Tritanopia
51, 6.163, 321.696

Trichromacy



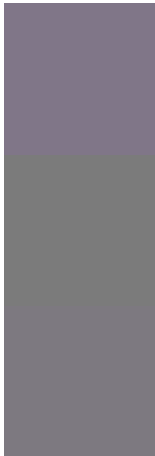
Original Color
51, 11.244, 311.531

Protanomaly
51, 9.962, 295.817

Deuteranomaly
51, 11.116, 309.642

Tritanomaly
51, 7.708, 315.018

Monochromacy



Original Color
51, 11.244, 311.531

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 4.395, 311.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 11.244, 311.531 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(128, 118, 136)` looks like.

```
.text, #text, p{  
    color:rgb(128, 118, 136)  
}
```

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(128, 118, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 118, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 11.244, 311.531 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(128, 118, 136) }
```

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

```
.border{ border-color:rgb(128, 118, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 118, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 118, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 118, 136);  
box-shadow:4px 4px 4px 4px rgb(128, 118,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 11.244, 311.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 118, 136) }
```

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

```
.background{ background-color: rgb(128,  
118, 136) }
```

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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