

Converting Colors

CIELCh(51, 27.089, 311.122)

Have a look what the booklet for
CIELCh(51, 27.089, 311.122)
contains.

CIELCh(51, 27.128, 311.154)	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, 27.128, 311.154)

Conversions

Conversions Part 1

Format	Color
Hex	87709C
RGB	135, 112, 156
RGB Percent	53%, 44%, 61%
CMY	0.4690, 0.5593, 0.3867
CMYK	0.13, 0.28, 0.00, 0.39
HSL	271°, 18%, 53%
HSV	271°, 28%, 61%
XYZ	21.9250, 19.2686, 34.1933
YIQ	123.8930, -0.4160, 18.5600

Conversions

Conversions Part 2

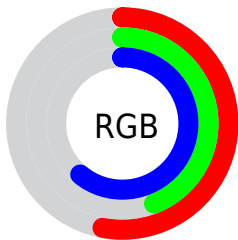
Format	Color
R _{YB}	135, 112, 156
Decimal	8876188
CIE _{Lab}	51.00, 17.85, -20.43
CIE _{LCh}	51, 27.128, 311.154
Yxy	19.2686, 0.2908, 0.2556
Android (android.graphics.Color)	4287066268 (0xFF87709C)
YUV	123.8930, 15.8288, 9.7408
Hunter-Lab	43.8960, 12.3382, -15.4574

Details

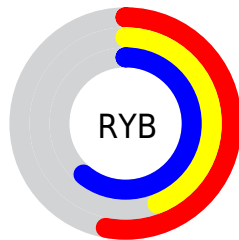
The CIELCh color $51, 27.128, 311.154$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 26.162, 128.601$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 27.270, 311.191$, and $31, 27.359, 311.289$ is the 20% darker color. If you saturate the color by 10%, you get $46, 37.127, 311.663$, and if you desaturate by 10%, it is $56, 17.278, 310.661$.

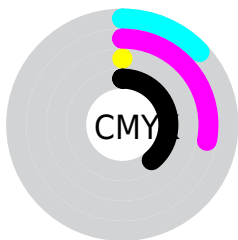
Distribution



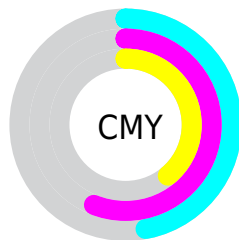
- Red (53%)
- Green (44%)
- Blue (61%)



- Red (53%)
- Yellow (44%)
- Blue (61%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (39%)





- Cyan (47%)
- Magenta (56%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 27.128, 311.154 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, 27.128, 311.154 by changing the saturation by 10% instead.


 51, 27.128,
311.154


 51, 27.128,
311.154


 100, 27.128,
311.154


 41, 27.128,
311.154


 71, 27.128,
311.154

 31, 27.128,
311.154

 81, 27.128,
311.154

 21, 27.128,
311.154

 91, 27.128,
311.154

 11, 27.128,
311.154

 1, 27.128, 311.154

 0, 27.128, 311.154

51, 27.128,
311.154

51, 27.128,
311.154

46, 37.127,
311.663

56, 17.278,
310.661

42, 47.145,
312.166

61, 7.655, 310.194

37, 56.953,
312.626

65, 1.707, 129.848

33, 66.192,
312.984

70, 10.794,
129.415

30, 74.345,
313.160

75, 19.606,
129.071

27, 80.781,
313.052

80, 28.148,
128.767

25, 85.260,
312.638

85, 36.432,
128.501

24, 86.070,

89, 44.469,
128.268

312.573

 94, 52.273,
128.066

Harmonies

Complementary

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



51, 27.128, 311.154



62, 26.162, 128.601

Rectangle

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



51, 27.128, 311.154



51, 27.128, 1.154



51, 27.128, 131.154



51, 27.128, 181.154

Sweetspot

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



51, 27.126, 311.154



77, 9.334, 310.195



55, 14.810, 261.468



40, 6.631, 310.260



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



51, 27.126, 311.154



62, 40.962, 311.485



53, 29.892, 326.393



31, 5.368, 310.245



22, 80.467, 312.662



1, 6.901, 308.921

Inverse Universe

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



52, 21.284, 347.484



64, 31.995, 348.225



60, 29.886, 142.995



31, 4.236, 345.618



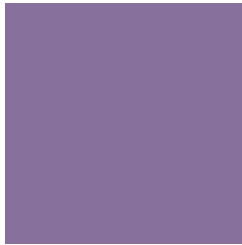
30, 54.940, 3.161



1, 5.388, 346.282

Previews

White Background



This preview shows how the CIELCh color 51, 27.128, 311.154 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, 27.128, 311.154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

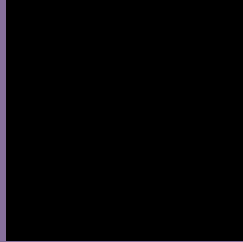
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 27.128, 311.154

Background



This preview shows how black text looks on a background with the CIELCh color 51, 27.128, 311.154.



This preview shows how white text looks on a background with the CIELCh color 51, 27.128, 311.154.

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, 27.128, 311.154

Protanopia

51, 24.601, 285.346

Deuteranopia

51, 21.007, 289.937



Tritanopia
51, 7.407, 335.222

Trichromacy



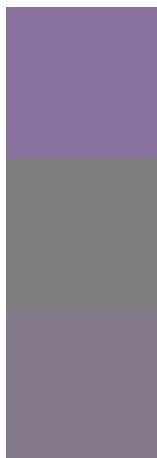
Original Color
51, 27.128, 311.154

Protanomaly
51, 25.145, 294.887

Deuteranomaly
51, 22.923, 298.343

Tritanomaly
51, 14.479, 318.650

Monochromacy



Original Color
51, 27.128, 311.154

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 9.861, 309.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 27.128, 311.154 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(135, 112, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 112, 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(135, 112, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 112, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 27.128, 311.154 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(135, 112, 156) }
```

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

```
.border{ border-color:rgb(135, 112, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 112, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 112, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 112, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 112,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 27.128, 311.154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 112, 156) }
```

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

```
.background{ background-color: rgb(135,  
112, 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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