

Converting Colors

CIELCh(51, 9.972, 250.525)

Have a look what the booklet for
CIELCh(51, 9.972, 250.525) contains.

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Color

CIELCh(51, 9.903, 249.127)

Conversions

Conversions Part 1

Format	Color
Hex	6A7C89
RGB	106, 124, 137
RGB Percent	42%, 49%, 54%
CMY	0.5845, 0.5139, 0.4629
CMYK	0.23, 0.09, 0.00, 0.46
HSL	205°, 13%, 48%
HSV	205°, 23%, 54%
XYZ	17.6511, 19.2686, 26.4365
YIQ	120.1000, -14.9010, 0.2270

Conversions

Conversions Part 2

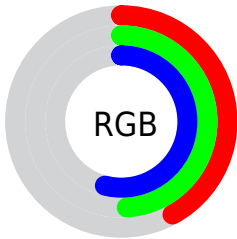
Format	Color
R_{YB}	106, 117, 137
Decimal	6978697
CIE Lab	51.00, -3.53, -9.25
CIE LCh	51, 9.903, 249.127
Yxy	19.2686, 0.2786, 0.3041
Android (android.graphics.Color)	4285168777 (0xFF6A7C89)
YUV	120.1000, 8.3317, -12.3657
Hunter-Lab	43.8960, -5.0410, -4.9804

Details

The CIELCh color **51, 9.903, 249.127** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **51, 10.817, 63.853**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 9.803, 250.558**, and **31, 9.866, 249.935** is the 20% darker color. If you saturate the color by 10%, you get **48, 14.064, 250.819**, and if you desaturate by 10%, it is **54, 5.599, 247.728**.

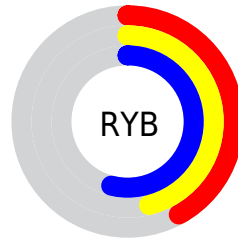
Distribution



Red (42%)

Green (49%)

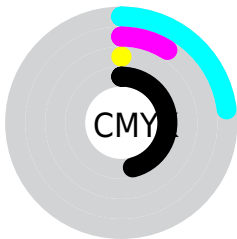
Blue (54%)



Red (42%)

Yellow (46%)

Blue (54%)

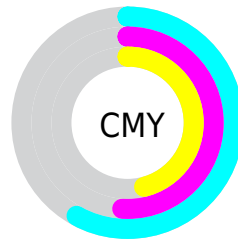


Cyan (23%)

Magenta (9%)

Yellow (0%)

Black (46%)



Cyan (58%)

Magenta (51%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 9.903, 249.127 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, 9.903, 249.127 by changing the saturation by 10% instead.

■ 51, 9.903, 249.127

■ 51, 9.903, 249.127

■ 100, 9.903,
249.127

■ 41, 9.903, 249.127

■ 71, 9.903, 249.127

■ 31, 9.903, 249.127

■ 81, 9.903, 249.127

■ 21, 9.903, 249.127

■ 91, 9.903, 249.127

■ 11, 9.903, 249.127

■ 1, 9.903, 249.127

■ 0, 9.903, 249.127

■ 51, 9.903, 249.127

■ 51, 9.903, 249.127

■ 48, 14.064,
250.819

■ 54, 5.599, 247.728

■ 56, 1.183, 246.762

46, 18.056,
252.872

59, 3.319, 65.398

43, 21.857,
255.345

62, 7.882, 64.619

41, 25.459,
258.303

65, 12.485, 63.924

39, 28.877,
261.791

67, 17.111, 63.323

70, 21.745, 62.803

36, 32.156,
265.820

73, 26.376, 62.350

76, 30.993, 61.952

34, 35.373,
270.325

33, 37.815,
273.602

Harmonies

Complementary

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



51, 9.903, 249.127



51, 10.817, 63.853

Rectangle

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



51, 9.903, 249.127



51, 9.903, 299.127



51, 9.903, 69.127



51, 9.903, 119.127

Sweetspot

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



51, 9.902, 249.121



70, 3.877, 247.098



54, 16.086, 157.602



36, 2.508, 247.147



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, 9.902, 249.121



64, 14.561, 249.923



47, 16.869, 289.255



28, 2.523, 247.315



32, 36.848, 273.435



1, 1.183, 246.223

Inverse Universe

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



48, 16.346, 341.310



60, 24.256, 341.754



56, 16.180, 104.320



27, 4.051, 340.184



28, 53.592, 353.587



0, 1.863, 339.542

Previews

White Background



This preview shows how the CIELCh color 51, 9.903, 249.127 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, 9.903, 249.127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

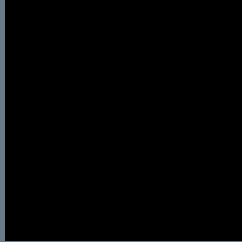
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

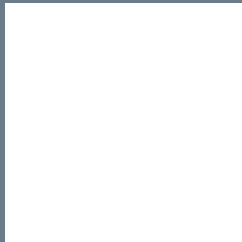
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 9.903, 249.127

Background



This preview shows how black text looks on a background with the CIELCh color 51, 9.903, 249.127.



This preview shows how white text looks on a background with the CIELCh color 51, 9.903, 249.127.

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, 9.903, 249.127

Protanopia

51, 8.758, 288.811

Deuteranopia

51, 12.029, 304.451



Tritanopia
51, 9.010, 239.380

Trichromacy



Original Color
51, 9.903, 249.127

Protanomaly
51, 9.078, 274.461

Deuteranomaly
51, 10.519, 287.423

Tritanomaly
51, 9.362, 242.329

Monochromacy



Original Color
51, 9.903, 249.127

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 3.705, 251.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 9.903, 249.127 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(106, 124, 137)` looks like.

```
.text, #text, p{  
    color:rgb(106, 124, 137)  
}
```

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(106, 124, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 124, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 9.903, 249.127 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(106, 124, 137) }
```

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

```
.border{ border-color:rgb(106, 124, 137) }
```

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

Here you see how a box with a 4 pixel rgb(106, 124, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 124, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 124, 137);  
box-shadow:4px 4px 4px 4px rgb(106, 124,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 9.903, 249.127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 124, 137) }
```

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

```
.background{ background-color: rgb(106,  
124, 137) }
```

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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