

Converting Colors

CIELCh(51, 23.273, 177.557)

Have a look what the booklet for
CIELCh(51, 23.273, 177.557)
contains.

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Color

CIELCh(51, 23.154, 177.838)

Conversions

Conversions Part 1

Format	Color
Hex	478477
RGB	71, 132, 119
RGB Percent	28%, 52%, 47%
CMY	0.7205, 0.4812, 0.5322
CMYK	0.46, 0.00, 0.10, 0.48
HSL	167°, 30%, 40%
HSV	167°, 46%, 52%
XYZ	14.2556, 19.2686, 20.5079
YIQ	112.2790, -32.1830, -16.9750

Conversions

Conversions Part 2

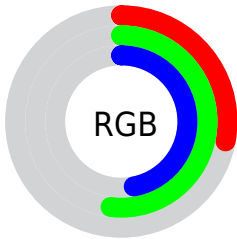
Format	Color
R_{YB}	71, 105, 132
Decimal	4686967
CIE _{Lab}	51.00, -23.14, 0.87
CIE _{LCh}	51, 23.154, 177.838
Yxy	19.2686, 0.2638, 0.3566
Android (android.graphics.Color)	4282877047 (0xFF478477)
YUV	112.2790, 3.3135, -36.2017
Hunter-Lab	43.8960, -18.8487, 3.0274

Details

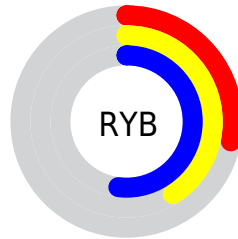
The CIELCh color **51, 23.154, 177.838** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **38, 27.813, 8.041**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 23.055, 178.105**, and **31, 22.969, 178.292** is the 20% darker color. If you saturate the color by 10%, you get **50, 27.197, 176.672**, and if you desaturate by 10%, it is **52, 18.662, 178.912**.

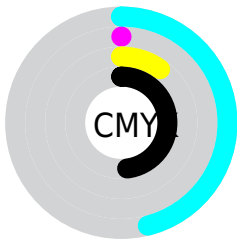
Distribution



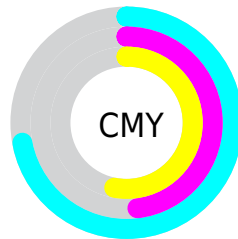
- Red (28%)
- Green (52%)
- Blue (47%)



- Red (28%)
- Yellow (41%)
- Blue (52%)



- Cyan (46%)
- Magenta (0%)
- Yellow (10%)
- Black (48%)





- Cyan (72%)
- Magenta (48%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 23.154, 177.838 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, 23.154, 177.838 by changing the saturation by 10% instead.


 51, 23.154,
177.838


 51, 23.154,
177.838


 100, 23.154,
177.838


 41, 23.154,
177.838


 71, 23.154,
177.838

 31, 23.154,
177.838

 81, 23.154,
177.838

 21, 23.154,
177.838

 91, 23.154,
177.838

 11, 23.154,
177.838

 1, 23.154, 177.838

 0, 23.154, 177.838

■ 51, 23.154,
177.838

■ 51, 23.154,
177.838

■ 50, 27.197,
176.672

■ 52, 18.662,
178.912

■ 50, 30.719,
175.398

■ 53, 13.804,
179.918

■ 50, 33.670,
173.993

■ 54, 8.665, 180.873

■ 49, 36.033,
172.437

■ 55, 3.327, 181.832

■ 56, 2.138, 2.394

■ 49, 37.874,
170.740

■ 57, 7.669, 3.335

■ 49, 38.557,
170.098

■ 58, 13.217, 4.139

■ 60, 18.742, 4.904

■ 61, 24.216, 5.641

Harmonies

Complementary

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



51, 23.154, 177.838



38, 27.813, 8.041

Rectangle

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



51, 23.154, 177.838



51, 23.154, 227.838



51, 23.154, 357.838



51, 23.154, 47.838

Sweetspot

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



51, 23.154, 177.836



68, 9.303, 181.042



51, 39.948, 135.832



36, 6.455, 180.866



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



51, 23.154, 177.836



64, 32.842, 176.659



46, 17.470, 234.444



27, 3.066, 181.531



48, 38.069, 170.132



1, 0.743, 182.256

Inverse Universe

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



38, 27.813, 8.041



45, 41.147, 10.179



42, 23.474, 47.542



26, 3.170, 2.998



26, 55.118, 26.635



0, 0.743, 2.242

Previews

White Background



This preview shows how the CIELCh color 51, 23.154, 177.838 looks on a white background.

Color Contrast Check

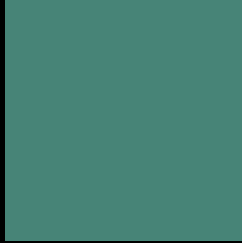
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.154, 177.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

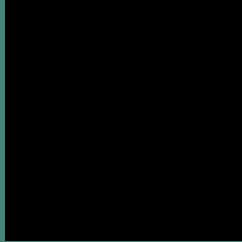
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 23.154, 177.838

Background



This preview shows how black text looks on a background with the CIELCh color 51, 23.154, 177.838.

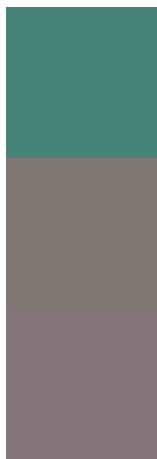


This preview shows how white text looks on a background with the CIELCh color 51, 23.154, 177.838.

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, 23.154, 177.838

Protanopia
51, 4.552, 82.663

Deuteranopia
51, 7.015, 350.372



Tritanopia
51, 18.271, 218.539

Trichromacy



Original Color
51, 23.154, 177.838

Protanomaly
50, 9.256, 163.842

Deuteranomaly
51, 5.131, 192.372

Tritanomaly
51, 18.853, 201.108

Monochromacy



Original Color
51, 23.154, 177.838

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 9.142, 179.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 23.154, 177.838 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(71, 132, 119)` looks like.

```
.text, #text, p{  
    color:rgb(71, 132, 119)  
}
```

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(71, 132, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 132, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 23.154, 177.838 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(71, 132, 119) }
```

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

```
.border{ border-color:rgb(71, 132, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 132, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 132, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 132, 119);  
box-shadow:4px 4px 4px 4px rgb(71, 132,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 23.154, 177.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 132, 119) }
```

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

```
.background{ background-color: rgb(71, 132,  
119) }
```

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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