

Converting Colors

CIELCh(51, 28.586, 170.974)

Have a look what the booklet for
CIELCh(51, 28.586, 170.974)
contains.

CIELCh(51, 28.541, 171.087)	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, 28.541, 171.087)

Conversions

Conversions Part 1

Format	Color
Hex	3D8671
RGB	61, 134, 113
RGB Percent	24%, 53%, 44%
CMY	0.7604, 0.4741, 0.5565
CMYK	0.54, 0.00, 0.16, 0.47
HSL	163°, 37%, 38%
HSV	163°, 54%, 53%
XYZ	13.4566, 19.2686, 18.6619
YIQ	109.7790, -36.7670, -22.0070

Conversions

Conversions Part 2

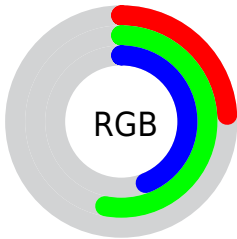
Format	Color
RYB	61, 104, 134
Decimal	4032113
CIELab	51.00, -28.20, 4.42
CIELCh	51, 28.541, 171.087
Yxy	19.2686, 0.2619, 0.3750
Android (android.graphics.Color)	4282222193 (0xFF3D8671)
YUV	109.7790, 1.5880, -42.7792
Hunter-Lab	43.8960, -22.0978, 5.5207

Details

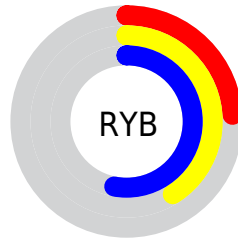
The CIELCh color **51, 28.541, 171.087** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 33.657, 4.140**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **71, 28.758, 171.194**, and **31, 28.026, 169.989** is the 20% darker color. If you saturate the color by 10%, you get **50, 32.619, 169.689**, and if you desaturate by 10%, it is **52, 23.976, 172.349**.

Distribution



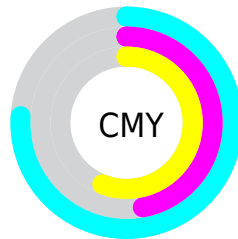
- Red (24%)
- Green (53%)
- Blue (44%)



- Red (24%)
- Yellow (41%)
- Blue (53%)



- Cyan (54%)
- Magenta (0%)
- Yellow (16%)
- Black (47%)





- Cyan (76%)
- Magenta (47%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 28.541, 171.087 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, 28.541, 171.087 by changing the saturation by 10% instead.


 51, 28.541,
171.087


 51, 28.541,
171.087


 100, 28.541,
171.087


 41, 28.541,
171.087


 71, 28.541,
171.087

 31, 28.541,
171.087

 81, 28.541,
171.087

 21, 28.541,
171.087

 91, 28.541,
171.087

 11, 28.541,
171.087

 1, 28.541, 171.087

 0, 28.541, 171.087

■ 51, 28.541,
171.087

■ 51, 28.541,
171.087

■ 50, 32.619,
169.689

■ 52, 23.976,
172.349

■ 50, 36.148,
168.137

■ 52, 19.005,
173.500

■ 50, 39.098,
166.408

■ 53, 13.716,
174.562

■ 49, 41.495,
164.502

■ 54, 8.199, 175.556

■ 49, 42.745,
163.460

■ 55, 2.535, 176.567

■ 57, 3.207, 357.172

■ 58, 8.967, 358.058

■ 59, 14.702,
358.848

■ 61, 20.375,

359.595

Harmonies

Complementary

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



51, 28.541, 171.087



36, 33.657, 4.140

Rectangle

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



51, 28.541, 171.087



51, 28.541, 221.087



51, 28.541, 351.087



51, 28.541, 41.087

Sweetspot

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



51, 28.541, 171.086



69, 11.192, 175.369



51, 46.037, 133.056



35, 7.510, 175.201



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, 28.541, 171.086



64, 40.279, 169.393



47, 20.173, 223.268



27, 3.189, 176.074



48, 41.762, 163.528



1, 0.770, 176.824

Inverse Universe

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



36, 33.657, 4.140



43, 48.969, 7.093



39, 30.147, 39.997



26, 3.274, 357.582



26, 53.001, 20.358



0, 0.770, 356.810

Previews

White Background



This preview shows how the CIELCh color 51, 28.541, 171.087 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, 28.541, 171.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

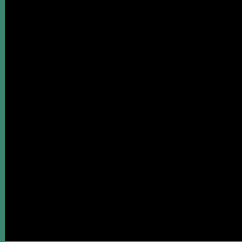
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 28.541, 171.087

Background



This preview shows how black text looks on a background with the CIELCh color 51, 28.541, 171.087.

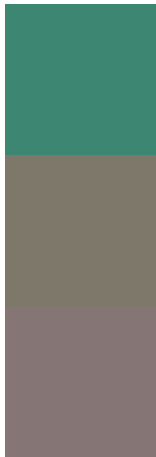


This preview shows how white text looks on a background with the CIELCh color 51, 28.541, 171.087.

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, 28.541, 171.087

Protanopia
51, 8.514, 91.808

Deuteranopia
51, 7.015, 20.154



Tritanopia
51, 20.234, 216.261

Trichromacy



Original Color
51, 28.541, 171.087

Protanomaly
50, 13.215, 153.165

Deuteranomaly
50, 7.609, 166.099

Tritanomaly
51, 21.399, 197.264

Monochromacy



Original Color
51, 28.541, 171.087

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 11.646, 174.167

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 28.541, 171.087 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(61, 134, 113)` looks like.

```
.text, #text, p{  
    color:rgb(61, 134, 113)  
}
```

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(61, 134, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 134, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 28.541, 171.087 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(61, 134, 113) }
```

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

```
.border{ border-color:rgb(61, 134, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 134, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 134, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 134, 113);  
box-shadow:4px 4px 4px 4px rgb(61, 134,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 28.541, 171.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 134, 113) }
```

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

```
.background{ background-color: rgb(61, 134,  
113) }
```

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