

Converting Colors

CIELCh(50, 27.387, 181.519)

Have a look what the booklet for
CIELCh(50, 27.387, 181.519)
contains.

CIELCh(50, 27.150, 181.539)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 27.150, 181.539)

Conversions

Conversions Part 1

Format	Color
Hex	348377
RGB	52, 131, 119
RGB Percent	20%, 51%, 47%
CMY	0.7944, 0.4848, 0.5319
CMYK	0.60, 0.00, 0.09, 0.48
HSL	171°, 43%, 36%
HSV	171°, 60%, 52%
XYZ	12.9588, 18.4187, 20.4428
YIQ	106.0110, -43.2320, -20.4800

Conversions

Conversions Part 2

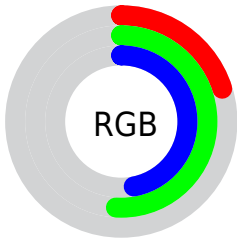
Format	Color
RYB	52, 95, 131
Decimal	3441527
CIELab	50.00, -27.14, -0.73
CIElCh	50, 27.150, 181.539
Yxy	18.4187, 0.2501, 0.3554
Android (android.graphics.Color)	4281631607 (0xFF348377)
YUV	106.0110, 6.4036, -47.3676
Hunter-Lab	42.9170, -21.2067, 1.8001

Details

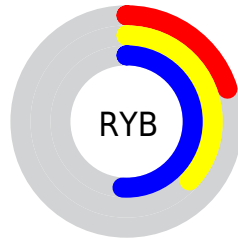
The CIELCh color **50, 27.150, 181.539** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 36.479, 15.820**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 26.962, 181.835**, and **30, 24.306, 180.606** is the 20% darker color. If you saturate the color by 10%, you get **50, 30.104, 180.420**, and if you desaturate by 10%, it is **51, 23.632, 182.572**.

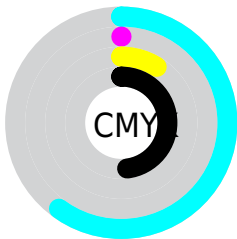
Distribution



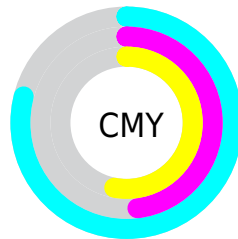
- Red (20%)
- Green (51%)
- Blue (47%)



- Red (20%)
- Yellow (37%)
- Blue (51%)



- Cyan (60%)
- Magenta (0%)
- Yellow (9%)
- Black (48%)





- Cyan (79%)
- Magenta (48%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 27.150, 181.539 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 50, 27.150, 181.539 by changing the saturation by 10% instead.


 50, 27.150,
181.539


 50, 27.150,
181.539


 100, 27.150,
181.539


 40, 27.150,
181.539


 70, 27.150,
181.539

 30, 27.150,
181.539


 80, 27.150,
181.539


 20, 27.150,
181.539

 90, 27.150,
181.539

 10, 27.150,
181.539

 0, 27.150, 181.539

 50, 27.150,
181.539

 50, 27.150,
181.539

■ 50, 30.104,
180.420

■ 51, 23.632,
182.572

■ 49, 32.462,
179.198

■ 51, 19.610,
183.541

■ 49, 34.229,
177.855

■ 52, 15.159,
184.460

■ 49, 35.603,
176.464

■ 53, 10.361,
185.343

■ 54, 5.298, 186.218

■ 55, 0.048, 195.044

■ 56, 5.326, 7.675

■ 57, 10.766, 8.480

■ 59, 16.226, 9.242

Harmonies

Complementary

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



50, 27.150, 181.539



33, 36.479, 15.820

Rectangle

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



50, 27.150, 181.539



50, 27.150, 231.539



50, 27.150, 1.539



50, 27.150, 51.539

Sweetspot

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



50, 27.150, 181.538



68, 11.542, 185.490



49, 51.470, 136.148



35, 8.042, 185.268



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 27.150, 181.538



63, 37.577, 179.999



42, 21.924, 245.107



27, 2.987, 186.304



48, 35.334, 176.481



1, 0.726, 186.980

Inverse Universe

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



33, 36.479, 15.820



40, 54.048, 19.992



39, 31.444, 51.985



26, 3.108, 7.679



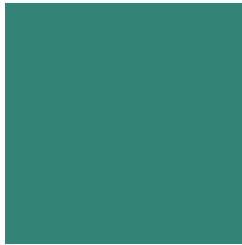
26, 57.269, 31.156



0, 0.726, 6.964

Previews

White Background



This preview shows how the CIELCh color 50, 27.150, 181.539 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 27.150, 181.539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

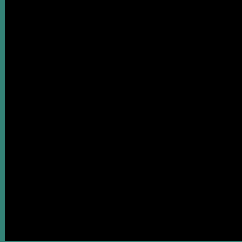
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 27.150, 181.539

Background



This preview shows how black text looks on a background with the CIELCh color 50, 27.150, 181.539.

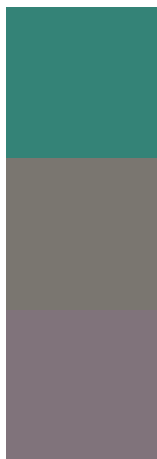


This preview shows how white text looks on a background with the CIELCh color 50, 27.150, 181.539.

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
50, 27.150, 181.539

Protanopia
50, 3.857, 84.380

Deuteranopia
50, 7.043, 338.611



Tritanopia
50, 22.179, 212.805

Trichromacy



Original Color
50, 27.150, 181.539

Protanomaly
49, 11.252, 173.524

Deuteranomaly
49, 7.678, 203.028

Tritanomaly
50, 23.295, 199.999

Monochromacy



Original Color
50, 27.150, 181.539

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.112, 185.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 27.150, 181.539 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(52, 131, 119)` looks like.

```
.text, #text, p{  
    color:rgb(52, 131, 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(52, 131, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 131, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 27.150, 181.539 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(52, 131, 119) }
```

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

```
.border{ border-color:rgb(52, 131, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 131, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 131, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 131, 119);  
box-shadow:4px 4px 4px 4px rgb(52, 131,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 27.150, 181.539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 131, 119) }
```

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

```
.background{ background-color: rgb(52, 131,  
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](#).

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