

Converting Colors

CIELCh(50, 28.586, 176.375)

Have a look what the booklet for
CIELCh(50, 28.586, 176.375)
contains.

CIELCh(50, 28.780, 176.179)	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, 28.780, 176.179)

Conversions

Conversions Part 1

Format	Color
Hex	348473
RGB	52, 132, 115
RGB Percent	20%, 52%, 45%
CMY	0.7968, 0.4830, 0.5496
CMYK	0.61, 0.00, 0.13, 0.48
HSL	167°, 44%, 36%
HSV	167°, 61%, 52%
XYZ	12.7222, 18.4187, 19.0578
YIQ	106.1420, -42.2230, -22.2470

Conversions

Conversions Part 2

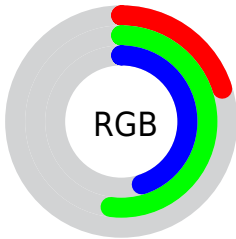
Format	Color
R_{YB}	52, 97, 132
Decimal	3441779
CIE _{Lab}	50.00, -28.72, 1.92
CIE _{LCh}	50, 28.780, 176.179
Yxy	18.4187, 0.2534, 0.3669
Android (android.graphics.Color)	4281631859 (0xFF348473)
YUV	106.1420, 4.3670, -47.4825
Hunter-Lab	42.9170, -22.1908, 3.7135

Details

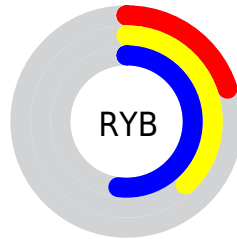
The CIELCh color **50, 28.780, 176.179** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 36.736, 11.354**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.944, 175.965**, and **30, 26.190, 174.206** is the 20% darker color. If you saturate the color by 10%, you get **50, 32.032, 174.850**, and if you desaturate by 10%, it is **51, 24.982, 177.387**.

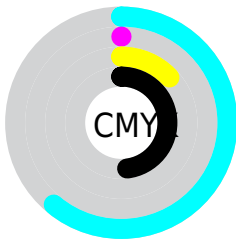
Distribution



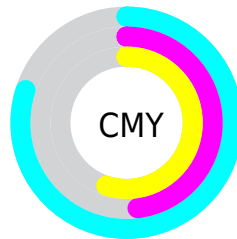
- Red (20%)
- Green (52%)
- Blue (45%)



- Red (20%)
- Yellow (38%)
- Blue (52%)



- Cyan (61%)
- Magenta (0%)
- Yellow (13%)
- Black (48%)





- Cyan (80%)
- Magenta (48%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 28.780, 176.179 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, 28.780, 176.179 by changing the saturation by 10% instead.


 50, 28.780,
176.179


 50, 28.780,
176.179


 100, 28.780,
176.179


 40, 28.780,
176.179


 70, 28.780,
176.179

 30, 28.780,
176.179


 80, 28.780,
176.179


 20, 28.780,
176.179

 90, 28.780,
176.179

 10, 28.780,
176.179

 0, 28.780, 176.179

 50, 28.780,
176.179

 50, 28.780,
176.179

■ 50, 32.032,
174.850

■ 51, 24.982,
177.387

■ 49, 34.702,
173.382

■ 51, 20.701,
178.499

■ 49, 36.793,
171.756

■ 52, 16.016,
179.533

■ 49, 38.419,
170.188

■ 53, 11.012,
180.507

■ 54, 5.773, 181.448

■ 55, 0.375, 183.243

■ 56, 5.116, 3.006

■ 58, 10.645, 3.841

■ 59, 16.169, 4.622

Harmonies

Complementary

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



50, 28.780, 176.179



33, 36.736, 11.354

Rectangle

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



50, 28.780, 176.179



50, 28.780, 226.179



50, 28.780, 356.179



50, 28.780, 46.179

Sweetspot

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



50, 28.780, 176.178



68, 11.883, 180.724



49, 51.330, 134.929



35, 8.287, 180.482



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, 28.780, 176.178



63, 40.078, 174.288



43, 21.564, 237.473



27, 3.065, 181.597



48, 38.028, 170.215



1, 0.743, 182.321

Inverse Universe

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



33, 36.736, 11.354



40, 53.851, 15.648



38, 32.501, 47.408



26, 3.169, 3.063



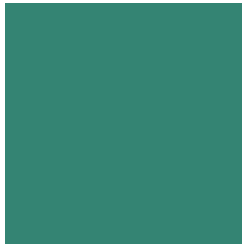
26, 55.146, 26.703



0, 0.743, 2.306

Previews

White Background



This preview shows how the CIELCh color 50, 28.780, 176.179 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 50, 28.780, 176.179 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, 28.780, 176.179

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.780, 176.179.

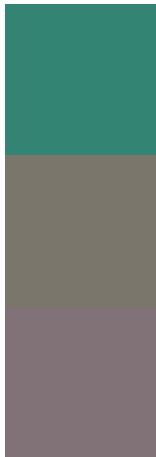


This preview shows how white text looks on a background with the CIELCh color 50, 28.780, 176.179.

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, 28.780, 176.179

Protanopia
50, 6.739, 91.197

Deuteranopia
50, 6.787, 354.707



Tritanopia
50, 21.781, 214.792

Trichromacy



Original Color
50, 28.780, 176.179

Protanomaly
49, 12.916, 161.886

Deuteranomaly
49, 7.663, 185.263

Tritanomaly
50, 22.933, 198.579

Monochromacy



Original Color
50, 28.780, 176.179

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.870, 180.533

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.780, 176.179 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, 132, 115)` looks like.

```
.text, #text, p{  
    color:rgb(52, 132, 115)  
}
```

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, 132, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 132, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.780, 176.179 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, 132, 115) }
```

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

```
.border{ border-color:rgb(52, 132, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 132, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 132, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 132, 115);  
box-shadow:4px 4px 4px 4px rgb(52, 132,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.780, 176.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 132, 115) }
```

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

```
.background{ background-color: rgb(52, 132,  
115) }
```

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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