

Converting Colors

CIELCh(50, 27.240, 171.869)

Have a look what the booklet for
CIELCh(50, 27.240, 171.869)
contains.

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Color

CIELCh(50, 26.973, 172.245)

Conversions

Conversions Part 1

Format	Color
Hex	3E8370
RGB	62, 131, 112
RGB Percent	24%, 51%, 44%
CMY	0.7570, 0.4864, 0.5609
CMYK	0.53, 0.00, 0.15, 0.49
HSL	163°, 36%, 38%
HSV	163°, 53%, 51%
XYZ	13.0214, 18.4187, 18.1913
YIQ	108.2030, -35.0250, -20.5370

Conversions

Conversions Part 2

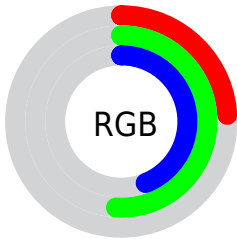
Format	Color
RYB	62, 102, 131
Decimal	4096880
CIELab	50.00, -26.73, 3.64
CIElCh	50, 26.973, 172.245
Yxy	18.4187, 0.2624, 0.3711
Android (android.graphics.Color)	4282286960 (0xFF3E8370)
YUV	108.2030, 1.8719, -40.5200
Hunter-Lab	42.9170, -20.9462, 4.9105




Details

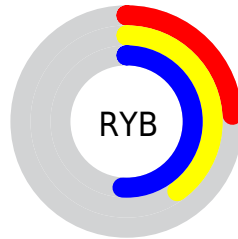
The CIELCh color **50, 26.973, 172.245** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 31.895, 4.672**, and the grayscale version is **46, 0.006, 296.813**.




A 20% lighter version of the original color is **70, 26.613, 172.896**, and **30, 26.784, 171.614** is the 20% darker color. If you saturate the color by 10%, you get **49, 30.997, 170.894**, and if you desaturate by 10%, it is **51, 22.481, 173.468**.

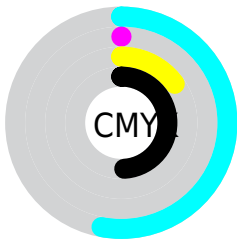
Distribution







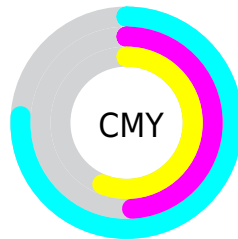
-  Red (24%)
-  Green (51%)
-  Blue (44%)






-  Red (24%)
-  Yellow (40%)
-  Blue (51%)



-  Cyan (53%)
-  Magenta (0%)
-  Yellow (15%)
-  Black (49%)





-  Cyan (76%)
-  Magenta (49%)
-  Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 26.973, 172.245 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, 26.973, 172.245 by changing the saturation by 10% instead.


 50, 26.973,
172.245


 50, 26.973,
172.245


 100, 26.973,
172.245


 40, 26.973,
172.245


 70, 26.973,
172.245

 30, 26.973,
172.245


 80, 26.973,
172.245


 20, 26.973,
172.245

 90, 26.973,
172.245

 10, 26.973,
172.245

 0, 26.973, 172.245

 50, 26.973,
172.245

 50, 26.973,
172.245

■ 49, 30.997,
170.894

■ 51, 22.481,
173.468

■ 49, 34.490,
169.397

■ 51, 17.602,
174.589

■ 49, 37.416,
167.732

■ 52, 12.422,
175.628

■ 48, 39.783,
165.887

■ 53, 7.027, 176.608

■ 48, 41.348,
164.533

■ 54, 1.494, 177.695

■ 56, 4.109, 358.219

■ 57, 9.729, 359.075

■ 58, 15.322,
359.859

■ 60, 20.856, 0.602

Harmonies

Complementary

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



50, 26.973, 172.245



36, 31.895, 4.672

Rectangle

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



50, 26.973, 172.245



50, 26.973, 222.245



50, 26.973, 352.245



50, 26.973, 42.245

Sweetspot

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



50, 26.973, 172.244



68, 10.976, 176.251



50, 44.036, 133.623



35, 7.453, 176.081



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, 26.973, 172.244



63, 38.448, 170.640



46, 19.256, 225.513



27, 3.166, 176.952



48, 41.126, 164.549



1, 0.765, 177.701

Inverse Universe

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



36, 31.895, 4.672



43, 47.013, 7.473



39, 28.148, 41.343



26, 3.255, 358.459



26, 53.304, 21.449



0, 0.765, 357.687

Previews

White Background



This preview shows how the CIELCh color 50, 26.973, 172.245 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 50, 26.973, 172.245 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, 26.973, 172.245

Background



This preview shows how black text looks on a background with the CIELCh color 50, 26.973, 172.245.

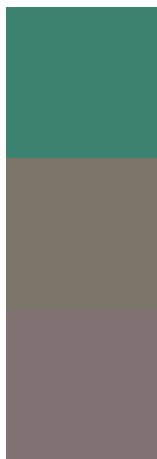


This preview shows how white text looks on a background with the CIELCh color 50, 26.973, 172.245.

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, 26.973, 172.245

Protanopia
50, 7.860, 93.604

Deuteranopia
50, 7.105, 10.773



Tritanopia
50, 19.499, 217.117

Trichromacy



Original Color
50, 26.973, 172.245

Protanomaly
50, 12.545, 153.763

Deuteranomaly
49, 6.334, 171.153

Tritanomaly
50, 20.519, 198.979

Monochromacy



Original Color
50, 26.973, 172.245

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 10.736, 175.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 26.973, 172.245 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(62, 131, 112)` looks like.

```
.text, #text, p{  
    color:rgb(62, 131, 112)  
}
```

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(62, 131, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 131, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 26.973, 172.245 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(62, 131, 112) }
```

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

```
.border{ border-color:rgb(62, 131, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 131, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 131, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 131, 112);  
box-shadow:4px 4px 4px 4px rgb(62, 131,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 26.973, 172.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 131, 112) }
```

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

```
.background{ background-color: rgb(62, 131,  
112) }
```

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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