

Converting Colors

CIELCh(50, 32.231, 186.422)

Have a look what the booklet for
CIELCh(50, 32.231, 186.422)
contains.

CIELCh(50, 32.070, 186.668)	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(50, 32.070, 186.668)

Conversions

Conversions Part 1

Format	Color
Hex	0D857C
RGB	13, 133, 124
RGB Percent	5%, 52%, 49%
CMY	0.9490, 0.4771, 0.5124
CMYK	0.90, 0.00, 0.07, 0.48
HSL	176°, 82%, 29%
HSV	176°, 90%, 52%
XYZ	12.2597, 18.4187, 22.0888
YIQ	96.0940, -68.6310, -28.2390

Conversions

Conversions Part 2

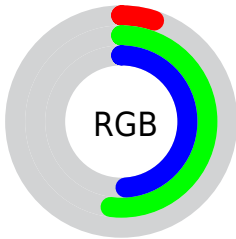
Format	Color
RYB	13, 75, 133
Decimal	886140
CIELab	50.00, -31.85, -3.72
CIElCh	50, 32.070, 186.668
Yxy	18.4187, 0.2323, 0.3491
Android (android.graphics.Color)	4279076220 (0xFF0D857C)
YUV	96.0940, 13.7577, -72.8734
Hunter-Lab	42.9170, -24.1140, -0.4739

Details

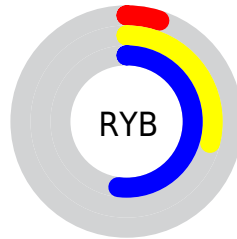
The CIELCh color **50, 32.070, 186.668** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **28, 56.357, 32.282**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 32.259, 186.024**, and **31, 24.042, 183.733** is the 20% darker color. If you saturate the color by 10%, you get **50, 33.028, 185.838**, and if you desaturate by 10%, it is **50, 30.694, 187.489**.

Distribution



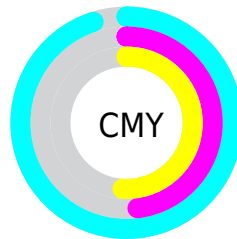
- Red (5%)
- Green (52%)
- Blue (49%)



- Red (5%)
- Yellow (29%)
- Blue (52%)



- Cyan (90%)
- Magenta (0%)
- Yellow (7%)
- Black (48%)




- Cyan (95%)
- Magenta (48%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 32.070, 186.668 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, 32.070, 186.668 by changing the saturation by 10% instead.

 50, 32.070,
186.668

 50, 32.070,
186.668


 100, 32.070,
186.668


 40, 32.070,
186.668

 70, 32.070,
186.668

 30, 32.070,
186.668

 80, 32.070,
186.668

 20, 32.070,
186.668

 90, 32.070,
186.668

 10, 32.070,
186.668

 0, 32.070, 186.668

 50, 32.070,
186.668

 50, 32.070,
186.668

■ 50, 33.028,
185.838

■ 50, 30.694,
187.489

■ 50, 28.708,
188.262

■ 51, 26.098,
189.000

■ 51, 22.888,
189.716

■ 52, 19.131,
190.421

■ 53, 14.897,
191.123

■ 54, 10.265,
191.830

■ 55, 5.318, 192.562

■ 56, 0.133, 196.209

Harmonies

Complementary

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



50, 32.070, 186.668



28, 56.357, 32.282

Rectangle

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



50, 32.070, 186.668



50, 32.070, 236.668



50, 32.070, 6.668



50, 32.070, 56.668

Sweetspot

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



50, 32.070, 186.667



68, 16.613, 191.309



48, 70.637, 135.873



35, 11.048, 191.110



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, 32.070, 186.667



64, 40.101, 185.617



34, 33.717, 268.758



27, 2.918, 192.650



49, 32.429, 185.862



1, 0.712, 193.216

Inverse Universe

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



28, 56.357, 32.282



36, 75.163, 36.848



35, 49.233, 56.621



26, 3.061, 13.818



26, 59.903, 35.478



0, 0.712, 13.199

Previews

White Background



This preview shows how the CIELCh color 50, 32.070, 186.668 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, 32.070, 186.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

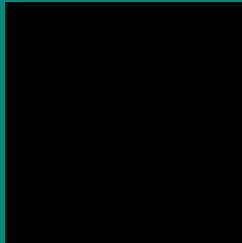
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 32.070, 186.668

Background



This preview shows how black text looks on a background with the CIELCh color 50, 32.070, 186.668.

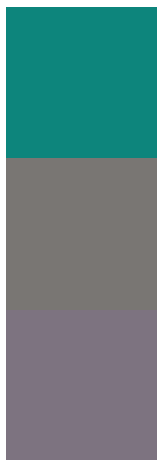


This preview shows how white text looks on a background with the CIELCh color 50, 32.070, 186.668.

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, 32.008, 186.656

Protanopia
50, 2.124, 74.728

Deuteranopia
50, 8.622, 318.287



Tritanopia
50, 27.100, 209.499

Trichromacy



Original Color
50, 32.008, 186.656

Protanomaly
49, 16.033, 184.921

Deuteranomaly
49, 13.863, 210.369

Tritanomaly
50, 28.561, 200.191

Monochromacy



Original Color
50, 32.008, 186.656

Achromatopsia
41, 0.006, 296.813

Achromatomaly
43, 16.416, 189.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 32.070, 186.668 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(13, 133, 124)` looks like.

```
.text, #text, p{  
    color:rgb(13, 133, 124)  
}
```

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(13, 133, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 133, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 32.070, 186.668 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(13, 133, 124) }
```

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

```
.border{ border-color:rgb(13, 133, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 133, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 133, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 133, 124);  
box-shadow:4px 4px 4px 4px rgb(13, 133,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 32.070, 186.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 133, 124) }
```

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

```
.background{ background-color: rgb(13, 133,  
124) }
```

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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