

Converting Colors

CIELCh(50, 29.303, 196.513)

Have a look what the booklet for
CIELCh(50, 29.303, 196.513)
contains.

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Color

CIELCh(50, 29.257, 196.525)

Conversions

Conversions Part 1

Format	Color
Hex	178484
RGB	23, 132, 132
RGB Percent	9%, 52%, 52%
CMY	0.9081, 0.4815, 0.4815
CMYK	0.82, 0.00, 0.00, 0.48
HSL	180°, 70%, 31%
HSV	180°, 82%, 52%
XYZ	12.8220, 18.4187, 24.7842
YIQ	99.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

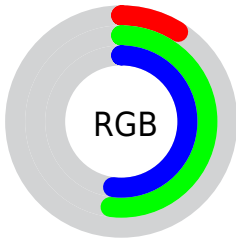
Format	Color
R_{YB}	23, 78, 132
Decimal	1541252
CIE _{Lab}	50.00, -28.05, -8.32
CIE _{LCh}	50, 29.257, 196.525
Yxy	18.4187, 0.2289, 0.3288
Android (android.graphics.Color)	4279731332 (0xFF178484)
YUV	99.4090, 16.0674, -67.0107
Hunter-Lab	42.9170, -21.7754, -4.1976

Details

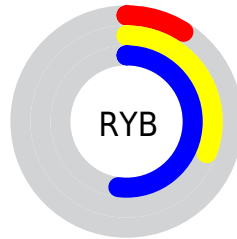
The CIELCh color **50, 29.257, 196.525** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **28, 53.795, 33.715**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.322, 196.052**, and **31, 21.816, 198.118** is the 20% darker color. If you saturate the color by 10%, you get **50, 30.236, 196.432**, and if you desaturate by 10%, it is **50, 27.681, 196.672**.

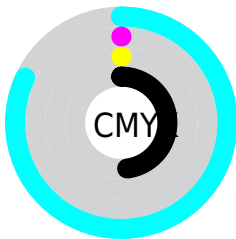
Distribution



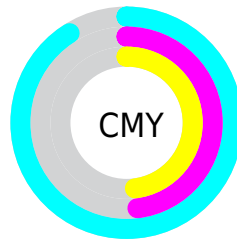
- Red (9%)
- Green (52%)
- Blue (52%)



- Red (9%)
- Yellow (31%)
- Blue (52%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (48%)





- Cyan (91%)
- Magenta (48%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.257, 196.525 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, 29.257, 196.525 by changing the saturation by 10% instead.


 50, 29.257,
196.525


 50, 29.257,
196.525


 100, 29.257,
196.525


 40, 29.257,
196.525


 70, 29.257,
196.525

 30, 29.257,
196.525


 80, 29.257,
196.525


 20, 29.257,
196.525

 90, 29.257,
196.525

 10, 29.257,
196.525

 0, 29.257, 196.525

 50, 29.257,
196.525

 50, 29.257,
196.525

■ 50, 30.236,
196.432

■ 50, 27.681,
196.672

■ 50, 30.775,
196.382

■ 51, 25.479,
196.881

■ 51, 22.660,
197.152

■ 52, 19.259,
197.484

■ 52, 15.337,
197.874

■ 53, 10.965,
198.320

■ 54, 6.222, 198.828

■ 55, 1.184, 199.624

■ 56, 4.077, 19.728

Harmonies

Complementary

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



50, 29.257, 196.525



28, 53.795, 33.715

Rectangle

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



50, 29.257, 196.525



50, 29.257, 246.525



50, 29.257, 16.525



50, 29.257, 66.525

Sweetspot

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



50, 29.257, 196.524



67, 15.006, 198.168



48, 67.664, 137.003



35, 10.210, 198.034



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, 29.257, 196.524



63, 37.061, 196.386



33, 34.626, 273.470



28, 2.886, 199.010



49, 30.410, 196.382



1, 0.707, 199.419

Inverse Universe

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



28, 53.795, 33.715



35, 76.781, 39.615



38, 43.900, 63.515



26, 3.050, 19.877



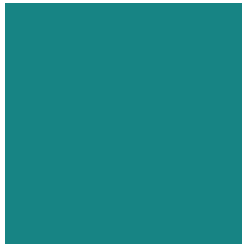
26, 62.118, 38.507



0, 0.707, 19.402

Previews

White Background



This preview shows how the CIE LCh color 50, 29.257, 196.525 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, 29.257, 196.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

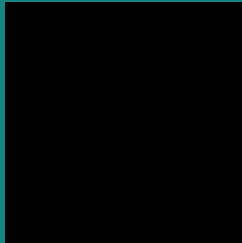
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.257, 196.525

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.257, 196.525.

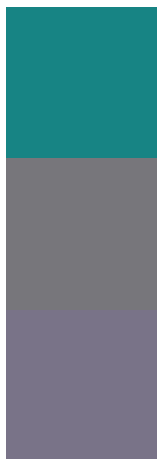


This preview shows how white text looks on a background with the CIELCh color 50, 29.257, 196.525.

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, 29.257, 196.525

Protanopia

50, 2.964, 298.257

Deuteranopia

50, 12.577, 302.205



Tritanopia
50, 27.219, 209.432

Trichromacy



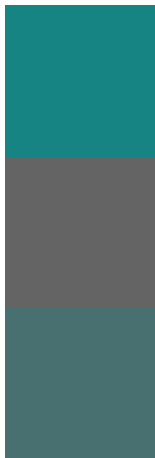
Original Color
50, 29.257, 196.525

Protanomaly
49, 14.123, 205.189

Deuteranomaly
49, 14.475, 233.252

Tritanomaly
50, 27.693, 205.372

Monochromacy



Original Color
50, 29.257, 196.525

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 14.642, 197.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.257, 196.525 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(23, 132, 132)` looks like.

```
.text, #text, p{  
    color:rgb(23, 132, 132)  
}
```

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(23, 132, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 132, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.257, 196.525 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(23, 132, 132) }
```

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

```
.border{ border-color:rgb(23, 132, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 132, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 132, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 132, 132);  
box-shadow:4px 4px 4px 4px rgb(23, 132,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.257, 196.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 132, 132) }
```

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

```
.background{ background-color: rgb(23, 132,  
132) }
```

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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