

Converting Colors

CIELCh(48, 45.837, 203.708)

Have a look what the booklet for
CIELCh(48, 45.837, 203.708)
contains.

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Color

CIELCh(50, 29.812, 209.275)

Conversions

Conversions Part 1

Format	Color
Hex	00848F
RGB	0, 132, 143
RGB Percent	0%, 52%, 56%
CMY	1.0000, 0.4829, 0.4398
CMYK	1.00, 0.08, 0.00, 0.44
HSL	185°, 100%, 28%
HSV	185°, 100%, 56%
XYZ	13.1311, 18.4187, 28.7921
YIQ	93.7860, -82.2030, -24.5630

Conversions

Conversions Part 2

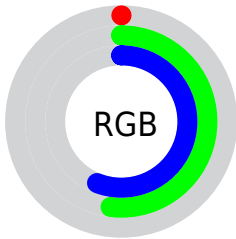
Format	Color
RYB	0, 69, 143
Decimal	33935
CIELab	50.00, -26.00, -14.58
CIElCh	50, 29.812, 209.275
Yxy	18.4187, 0.2176, 0.3052
Android (android.graphics.Color)	4278224015 (0xFF00848F)
YUV	93.7860, 24.2625, -82.2503
Hunter-Lab	42.9170, -20.4899, -9.7346

Details

The CIELCh color **50, 29.812, 209.275** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **30, 66.072, 40.444**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.631, 210.213**, and **31, 21.193, 216.342** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.625, 209.371**, and if you desaturate by 10%, it is **50, 29.139, 208.290**.

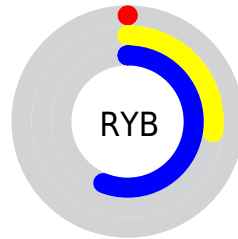
Distribution



Red (0%)

Green (52%)

Blue (56%)



Red (0%)

Yellow (27%)

Blue (56%)

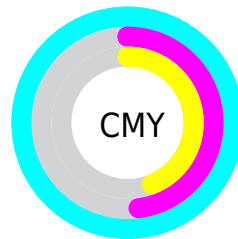


Cyan (100%)

Magenta (8%)

Yellow (0%)

Black (44%)



Cyan (100%)


Magenta (48%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.812, 209.275 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, 29.812, 209.275 by changing the saturation by 10% instead.


 50, 29.812,
209.275


 50, 29.812,
209.275


 100, 29.812,
209.275


 40, 29.812,
209.275


 70, 29.812,
209.275


 30, 29.812,
209.275


 80, 29.812,
209.275


 20, 29.812,
209.275

 90, 29.812,
209.275

 10, 29.812,
209.275

 0, 29.812, 209.275

 50, 29.812,
209.275

 50, 29.812,
209.275

■ 50, 29.625,
209.371

■ 50, 29.139,
208.290

■ 51, 28.213,
207.384

■ 52, 26.649,
206.708

■ 52, 24.428,
206.238

■ 53, 21.572,
205.950

■ 54, 18.133,
205.816

■ 55, 14.178,
205.815

■ 57, 9.785, 205.929

■ 58, 5.034, 206.158

Harmonies

Complementary

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



50, 29.812, 209.275



30, 66.072, 40.444

Rectangle

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



50, 29.812, 209.275



50, 29.812, 259.275



50, 29.812, 29.275



50, 29.812, 79.275

Sweetspot

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



50, 29.625, 209.371



71, 17.553, 205.812



51, 76.436, 136.746



37, 11.890, 205.801



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



50, 29.625, 209.371



64, 35.946, 209.677



28, 52.258, 289.022



30, 2.847, 206.185



47, 28.466, 209.298



2, 1.969, 206.346

Inverse Universe

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



33, 70.757, 331.480



43, 85.881, 331.555



41, 54.039, 67.145



28, 5.321, 327.066



31, 67.983, 331.462



1, 3.574, 326.582

Previews

White Background



This preview shows how the CIELCh color 50, 29.812, 209.275 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, 29.812, 209.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

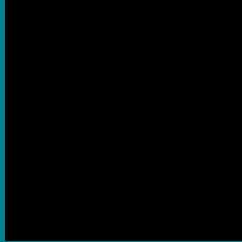
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.812, 209.275

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.812, 209.275.

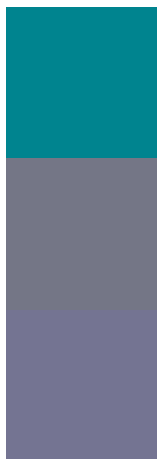


This preview shows how white text looks on a background with the CIELCh color 50, 29.812, 209.275.

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, 29.647, 209.366

Protanopia

50, 9.385, 286.757

Deuteranopia

50, 17.591, 292.433



Tritanopia
50, 29.647, 209.366

Trichromacy



Original Color
50, 29.647, 209.366

Protanomaly
49, 17.957, 225.437

Deuteranomaly
49, 20.015, 241.091

Tritanomaly
50, 29.647, 209.366

Monochromacy



Original Color
50, 29.647, 209.366

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 16.811, 205.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.812, 209.275 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(0, 132, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 143)  
}
```

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(0, 132, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.812, 209.275 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(0, 132, 143) }
```

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

```
.border{ border-color:rgb(0, 132, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.812, 209.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 143) }
```

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

```
.background{ background-color: rgb(0, 132,  
143) }
```

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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