

Converting Colors

CIELCh(49, 28.067, 195.471)

Have a look what the booklet for
CIELCh(49, 28.067, 195.471)
contains.

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Color

CIELCh(49, 28.081, 195.368)

Conversions

Conversions Part 1

Format	Color
Hex	1E8180
RGB	30, 129, 128
RGB Percent	12%, 51%, 50%
CMY	0.8812, 0.4934, 0.4973
CMYK	0.77, 0.00, 0.01, 0.49
HSL	179°, 62%, 31%
HSV	179°, 77%, 51%
XYZ	12.3277, 17.5941, 23.2323
YIQ	99.2850, -58.6830, -21.2990

Conversions

Conversions Part 2

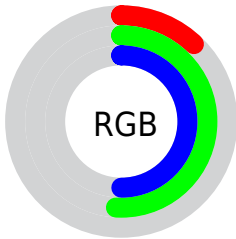
Format	Color
R_{YB}	30, 80, 129
Decimal	1999232
CIE _{Lab}	49.00, -27.08, -7.44
CIE _{LCh}	49, 28.081, 195.368
Yxy	17.5941, 0.2319, 0.3310
Android (android.graphics.Color)	4280189312 (0xFF1E8180)
YUV	99.2850, 14.1565, -60.7629
Hunter-Lab	41.9453, -20.9432, -3.4774




Details

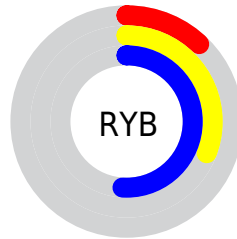
The CIELCh color **49, 28.081, 195.368** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 48.769, 31.055**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **69, 27.923, 196.065**, and **30, 21.430, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.412, 195.141**, and if you desaturate by 10%, it is **49, 26.143, 195.636**.

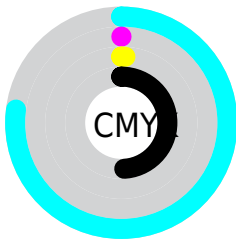
Distribution







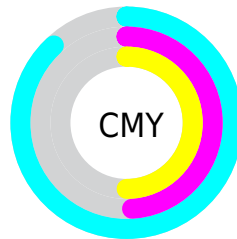
-  Red (12%)
-  Green (51%)
-  Blue (50%)






-  Red (12%)
-  Yellow (31%)
-  Blue (51%)



-  Cyan (77%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (49%)



-  Cyan (88%)
-  Magenta (49%)
-  Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 28.081, 195.368 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 49, 28.081, 195.368 by changing the saturation by 10% instead.

 49, 28.081,
195.368

 49, 28.081,
195.368


 100, 28.081,
195.368

 39, 28.081,
195.368

 69, 28.081,
195.368

 29, 28.081,
195.368

 79, 28.081,
195.368

 19, 28.081,
195.368

 89, 28.081,
195.368

 9, 28.081, 195.368

 99, 28.081,
195.368

 0, 28.081, 195.368

 49, 28.081,

 49, 28.081,

195.368

■ 49, 29.412,
195.141

■ 49, 30.229,
194.949

■ 49, 30.483,
194.885

195.368

■ 49, 26.143,
195.636

■ 50, 23.594,
195.954

■ 50, 20.461,
196.321

■ 51, 16.795,
196.737

■ 52, 12.662,
197.201

■ 52, 8.138, 197.715

■ 53, 3.300, 198.318

■ 54, 1.780, 18.532

■ 56, 7.036, 19.281

Harmonies

Complementary

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



49, 28.081, 195.368



29, 48.769, 31.055

Rectangle

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



49, 28.081, 195.368



49, 28.081, 245.368



49, 28.081, 15.368



49, 28.081, 65.368

Sweetspot

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



49, 28.081, 195.367



66, 13.755, 197.350



47, 63.594, 137.515



34, 9.381, 197.198



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 28.081, 195.367



62, 36.445, 194.994



34, 31.768, 271.104



26, 2.795, 198.146



48, 30.195, 194.887



0, 0.000, 0.000

Inverse Universe

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



29, 48.769, 31.055



35, 71.704, 37.155



38, 39.973, 64.402



25, 2.950, 19.051



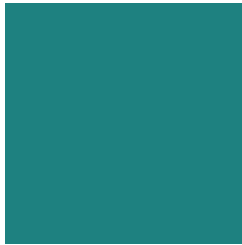
25, 60.799, 37.949



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 28.081, 195.368 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 49, 28.081, 195.368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

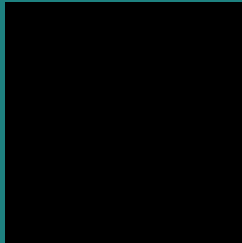
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 28.081, 195.368

Background



This preview shows how black text looks on a background with the CIELCh color 49, 28.081, 195.368.

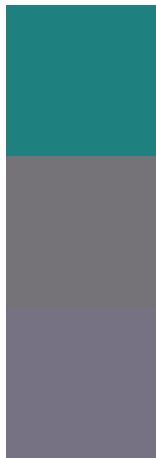


This preview shows how white text looks on a background with the CIELCh color 49, 28.081, 195.368.

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

49, 28.081, 195.368

Protanopia

49, 3.061, 305.677

Deuteranopia

49, 11.463, 303.216



Tritanopia
49, 25.863, 210.243

Trichromacy



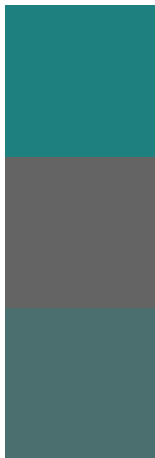
Original Color
49, 28.081, 195.368

Protanomaly
48, 12.870, 206.033

Deuteranomaly
48, 13.185, 231.053

Tritanomaly
49, 26.436, 204.576

Monochromacy



Original Color
49, 28.081, 195.368

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 13.459, 195.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 28.081, 195.368 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(30, 129, 128)` looks like.

```
.text, #text, p{  
    color:rgb(30, 129, 128)  
}
```

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(30, 129, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 129, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 28.081, 195.368 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(30, 129, 128) }
```

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

```
.border{ border-color:rgb(30, 129, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 129, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 129, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 129, 128);  
box-shadow:4px 4px 4px 4px rgb(30, 129,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 28.081, 195.368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 129, 128) }
```

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

```
.background{ background-color: rgb(30, 129,  
128) }
```

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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