

Converting Colors

CIELCh(49, 27.617, 194.692)

Have a look what the booklet for
CIELCh(49, 27.617, 194.692)
contains.

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Color

CIELCh(49, 27.716, 194.151)

Conversions

Conversions Part 1

Format	Color
Hex	22817F
RGB	34, 129, 127
RGB Percent	13%, 51%, 50%
CMY	0.8662, 0.4938, 0.5017
CMYK	0.74, 0.00, 0.02, 0.49
HSL	179°, 58%, 32%
HSV	179°, 74%, 51%
XYZ	12.3572, 17.5941, 22.8461
YIQ	100.3670, -55.9780, -20.7620

Conversions

Conversions Part 2

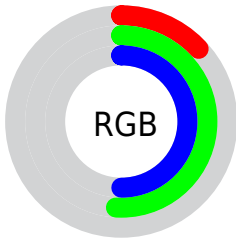
Format	Color
R_{YB}	34, 82, 129
Decimal	2261375
CIE _{Lab}	49.00, -26.87, -6.78
CIE _{LCh}	49, 27.716, 194.151
Yxy	17.5941, 0.2340, 0.3332
Android (android.graphics.Color)	4280451455 (0xFF22817F)
YUV	100.3670, 13.1301, -58.2039
Hunter-Lab	41.9453, -20.8175, -2.9315

Details

The CIELCh color **49, 27.716, 194.151** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 46.480, 29.353**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 27.572, 194.919**, and **30, 21.613, 194.627** is the 20% darker color. If you saturate the color by 10%, you get **49, 29.258, 193.810**, and if you desaturate by 10%, it is **49, 25.563, 194.519**.

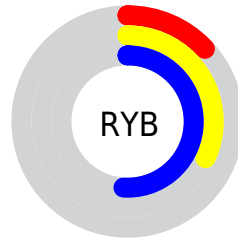
Distribution



Red (13%)

Green (51%)

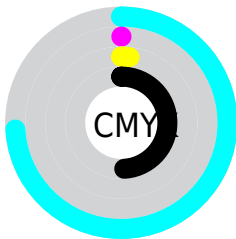
Blue (50%)



Red (13%)

Yellow (32%)

Blue (51%)

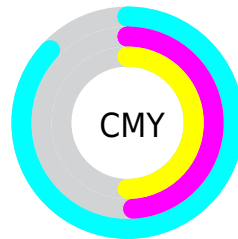


Cyan (74%)

Magenta (0%)

Yellow (2%)

Black (49%)



Cyan (87%)


Magenta (49%)


Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 27.716, 194.151 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, 27.716, 194.151 by changing the saturation by 10% instead.


 49, 27.716,
194.151


 49, 27.716,
194.151


 100, 27.716,
194.151


 39, 27.716,
194.151

 69, 27.716,
194.151


 29, 27.716,
194.151

 79, 27.716,
194.151

 19, 27.716,
194.151

 89, 27.716,
194.151

 9, 27.716, 194.151

 99, 27.716,
194.151

 0, 27.716, 194.151

 49, 27.716,

 49, 27.716,

194.151

■ 49, 29.258,
193.810

■ 49, 30.225,
193.492

■ 49, 30.717,
193.294

194.151

■ 49, 25.563,
194.519

■ 50, 22.805,
194.923

■ 50, 19.480,
195.365

■ 51, 15.645,
195.845

■ 52, 11.371,
196.365

■ 53, 6.735, 196.932

■ 54, 1.814, 197.661

■ 55, 3.323, 17.913

■ 56, 8.612, 18.594

Harmonies

Complementary

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



49, 27.716, 194.151



29, 46.480, 29.353

Rectangle

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



49, 27.716, 194.151



49, 27.716, 244.151



49, 27.716, 14.151



49, 27.716, 64.151

Sweetspot

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



49, 27.716, 194.150



66, 13.226, 196.423



47, 61.667, 137.567



34, 8.785, 196.305



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, 27.716, 194.150



62, 36.349, 193.602



35, 29.828, 268.018



26, 2.799, 197.212



48, 30.447, 193.298



0, 0.000, 0.000

Inverse Universe

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



29, 46.480, 29.353



36, 68.737, 35.231



38, 38.309, 63.276



25, 2.951, 18.164



25, 60.477, 37.517



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 27.716, 194.151 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, 27.716, 194.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

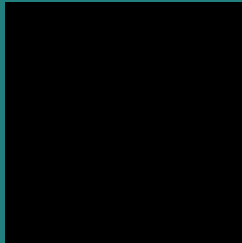
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 27.716, 194.151

Background



This preview shows how black text looks on a background with the CIELCh color 49, 27.716, 194.151.



This preview shows how white text looks on a background with the CIELCh color 49, 27.716, 194.151.

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, 27.716, 194.151

Protanopia

49, 2.499, 309.175

Deuteranopia

49, 10.979, 305.787



Tritanopia
49, 25.225, 212.068

Trichromacy



Original Color
49, 27.716, 194.151

Protanomaly
48, 12.216, 203.706

Deuteranomaly
48, 12.387, 230.189

Tritanomaly
49, 26.010, 204.743

Monochromacy



Original Color
49, 27.716, 194.151

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 13.130, 195.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 27.716, 194.151 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(34, 129, 127)` looks like.

```
.text, #text, p{  
  color:rgb(34, 129, 127)  
}
```

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(34, 129, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 129, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 27.716, 194.151 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(34, 129, 127) }
```

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

```
.border{ border-color:rgb(34, 129, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 129, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 129, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 129, 127);  
box-shadow:4px 4px 4px 4px rgb(34, 129,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 27.716, 194.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 129, 127) }
```

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

```
.background{ background-color: rgb(34, 129,  
127) }
```

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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