

Converting Colors

CIELCh(49, 27.420, 196.699)

Have a look what the booklet for
CIELCh(49, 27.420, 196.699)
contains.

CIELCh(49, 27.408, 196.655)	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(49, 27.408, 196.655)

Conversions

Conversions Part 1

Format	Color
Hex	228181
RGB	34, 129, 129
RGB Percent	13%, 51%, 51%
CMY	0.8672, 0.4945, 0.4945
CMYK	0.74, 0.00, 0.00, 0.49
HSL	180°, 58%, 32%
HSV	180°, 74%, 51%
XYZ	12.4477, 17.5941, 23.4743
YIQ	100.5950, -56.6200, -20.1400

Conversions

Conversions Part 2

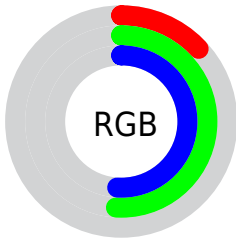
Format	Color
R_{YB}	34, 82, 129
Decimal	2261377
CIE _{Lab}	49.00, -26.26, -7.86
CIE _{LCh}	49, 27.408, 196.655
Yxy	17.5941, 0.2326, 0.3288
Android (android.graphics.Color)	4280451457 (0xFF228181)
YUV	100.5950, 14.0037, -58.4038
Hunter-Lab	41.9453, -20.4324, -3.8194

Details

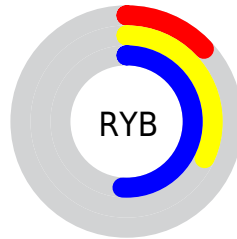
The CIELCh color **49, 27.408, 196.655** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **29, 47.066, 30.776**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 27.349, 197.255**, and **30, 21.264, 198.174** is the 20% darker color. If you saturate the color by 10%, you get **49, 28.876, 196.513**, and if you desaturate by 10%, it is **49, 25.330, 196.854**.

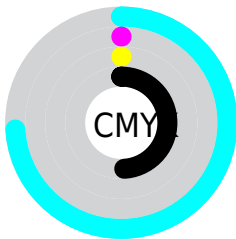
Distribution



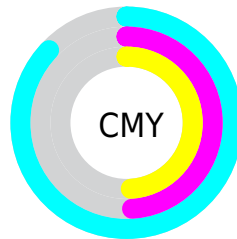
- Red (13%)
- Green (51%)
- Blue (51%)



- Red (13%)
- Yellow (32%)
- Blue (51%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (49%)



- Cyan (87%)
- Magenta (49%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 27.408, 196.655 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, 27.408, 196.655 by changing the saturation by 10% instead.

 49, 27.408,
196.655


 49, 27.408,
196.655

 100, 27.408,
196.655


 39, 27.408,
196.655

 69, 27.408,
196.655


 29, 27.408,
196.655

 79, 27.408,
196.655

 19, 27.408,
196.655

 89, 27.408,
196.655

 9, 27.408, 196.655

 99, 27.408,
196.655

 0, 27.408, 196.655

 49, 27.408,

 49, 27.408,

196.655

■ 49, 28.876,
196.513

■ 49, 29.773,
196.428

■ 49, 30.215,
196.386

196.655

■ 49, 25.330,
196.854

■ 50, 22.646,
197.116

■ 50, 19.389,
197.439

■ 51, 15.613,
197.820

■ 52, 11.387,
198.257

■ 53, 6.788, 198.754

■ 54, 1.890, 199.418

■ 55, 3.235, 19.625

■ 56, 8.524, 20.268

Harmonies

Complementary

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



49, 27.408, 196.655



29, 47.066, 30.776

Rectangle

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



49, 27.408, 196.655



49, 27.408, 246.655



49, 27.408, 16.655



49, 27.408, 66.655

Sweetspot

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



49, 27.408, 196.654



66, 13.178, 198.314



47, 61.896, 137.783



34, 8.750, 198.212



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, 27.408, 196.654



63, 35.847, 196.453



34, 30.629, 270.029



26, 2.793, 199.016



48, 29.978, 196.386



0, 0.000, 0.000

Inverse Universe

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



29, 47.066, 30.776



36, 69.598, 36.317



39, 38.333, 64.792



25, 2.951, 19.874



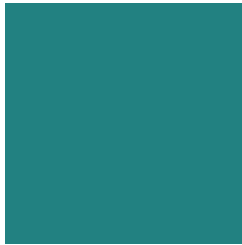
25, 61.101, 38.346



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 27.408, 196.655 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, 27.408, 196.655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

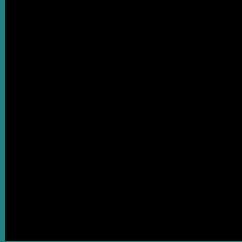
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 27.408, 196.655

Background



This preview shows how black text looks on a background with the CIELCh color 49, 27.408, 196.655.

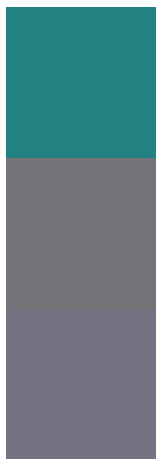


This preview shows how white text looks on a background with the CIELCh color 49, 27.408, 196.655.

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, 27.408, 196.655

Protanopia

49, 2.978, 298.263

Deuteranopia

49, 11.463, 303.216



Tritanopia
49, 25.574, 210.422

Trichromacy



Original Color
49, 27.408, 196.655

Protanomaly
48, 12.546, 206.273

Deuteranomaly
48, 12.915, 231.843

Tritanomaly
49, 25.953, 206.111

Monochromacy



Original Color
49, 27.408, 196.655

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 13.042, 197.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 27.408, 196.655 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, 129)` looks like.

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

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, 129) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 49, 27.408, 196.655 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, 129) }
```

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

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

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, 129)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 49, 27.408, 196.655 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, 129) }
```

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

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

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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