

Converting Colors

CIELCh(49, 17.626, 179.940)

Have a look what the booklet for
CIELCh(49, 17.626, 179.940)
contains.

CIELCh(49, 17.624, 179.997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 17.624, 179.997)

Conversions

Conversions Part 1

Format	Color
Hex	507D74
RGB	80, 125, 116
RGB Percent	31%, 49%, 45%
CMY	0.6867, 0.5103, 0.5456
CMYK	0.36, 0.00, 0.07, 0.51
HSL	168°, 22%, 40%
HSV	168°, 36%, 49%
XYZ	13.7612, 17.5941, 19.1565
YIQ	110.5190, -23.9310, -12.3390

Conversions

Conversions Part 2

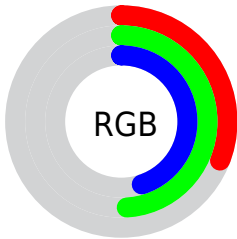
Format	Color
R_{YB}	80, 105, 125
Decimal	5274996
CIE Lab	49.00, -17.62, 0.00
CIE LCh	49, 17.624, 179.997
Yxy	17.5941, 0.2724, 0.3483
Android (android.graphics.Color)	4283465076 (0xFF507D74)
YUV	110.5190, 2.7021, -26.7652
Hunter-Lab	41.9453, -14.8428, 2.2839

Details

The CIELCh color **49, 17.624, 179.997** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 20.388, 7.285**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 17.748, 179.862**, and **29, 17.733, 179.773** is the 20% darker color. If you saturate the color by 10%, you get **48, 21.864, 178.950**, and if you desaturate by 10%, it is **50, 13.034, 180.975**.

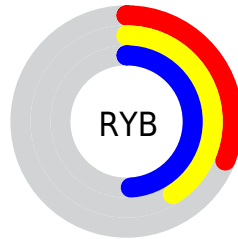
Distribution



Red (31%)

Green (49%)

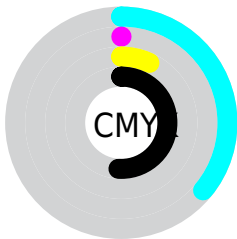
Blue (45%)



Red (31%)

Yellow (41%)

Blue (49%)

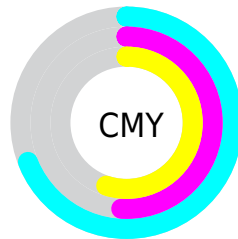


Cyan (36%)

Magenta (0%)

Yellow (7%)

Black (51%)



Cyan (69%)


Magenta (51%)

Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 17.624, 179.997 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, 17.624, 179.997 by changing the saturation by 10% instead.


 49, 17.624,
179.997


 49, 17.624,
179.997


 100, 17.624,
179.997


 39, 17.624,
179.997

 69, 17.624,
179.997


 29, 17.624,
179.997

 79, 17.624,
179.997

 19, 17.624,
179.997

 89, 17.624,
179.997

 9, 17.624, 179.997

 99, 17.624,
179.997

 0, 17.624, 179.997

 49, 17.624,

 49, 17.624,

179.997

179.997

■ 48, 21.864,
178.950

■ 50, 13.034,
180.975

■ 48, 25.674,
177.824

■ 51, 8.171, 181.910

■ 47, 28.987,
176.598

■ 52, 3.114, 182.856

■ 53, 2.071, 3.403

■ 47, 31.755,
175.249

■ 54, 7.324, 4.333

■ 47, 33.963,
173.758

■ 55, 12.600, 5.130

■ 57, 17.859, 5.891

■ 46, 35.679,
172.137

■ 58, 23.076, 6.623

■ 46, 36.333,
171.514

■ 60, 28.228, 7.332

Harmonies

Complementary

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



49, 17.624, 179.997



39, 20.388, 7.285

Rectangle

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



49, 17.624, 179.997



49, 17.624, 229.997



49, 17.624, 359.997



49, 17.624, 49.997

Sweetspot

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



49, 17.625, 179.995



66, 7.025, 182.350



49, 30.137, 136.938



34, 4.690, 182.251



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 17.625, 179.995



62, 25.583, 179.164



45, 13.526, 235.193



25, 2.850, 182.558



46, 36.349, 171.513



89, 62.003, 170.457

Inverse Universe

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



39, 20.388, 7.285



48, 30.664, 8.614



42, 16.733, 49.572



24, 2.950, 3.984



25, 53.877, 27.426



53, 93.169, 30.588

Previews

White Background



This preview shows how the CIELCh color 49, 17.624, 179.997 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 CIE LCh color 49, 17.624, 179.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

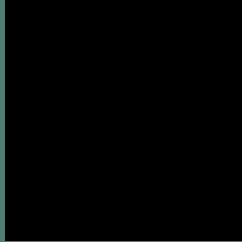
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 17.624, 179.997

Background



This preview shows how black text looks on a background with the CIELCh color 49, 17.624, 179.997.

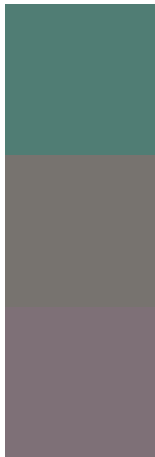


This preview shows how white text looks on a background with the CIELCh color 49, 17.624, 179.997.

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, 17.624, 179.997

Protanopia

49, 2.853, 74.555

Deuteranopia

49, 7.032, 344.506



Tritanopia
49, 14.403, 222.410

Trichromacy



Original Color
49, 17.624, 179.997

Protanomaly
49, 6.657, 166.739

Deuteranomaly
49, 3.208, 209.754

Tritanomaly
49, 14.436, 205.001

Monochromacy



Original Color
49, 17.624, 179.997

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 6.610, 183.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 17.624, 179.997 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(80, 125, 116)` looks like.

```
.text, #text, p{  
    color:rgb(80, 125, 116)  
}
```

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(80, 125, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 125, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 17.624, 179.997 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(80, 125, 116) }
```

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

```
.border{ border-color:rgb(80, 125, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 125, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 125, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 125, 116);  
box-shadow:4px 4px 4px 4px rgb(80, 125,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 17.624, 179.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 125, 116) }
```

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

```
.background{ background-color: rgb(80, 125,  
116) }
```

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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