

Converting Colors

CIELCh(49, 16.924, 185.542)

Have a look what the booklet for
CIELCh(49, 16.924, 185.542)
contains.

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Color

CIELCh(49, 16.957, 185.546)

Conversions

Conversions Part 1

Format	Color
Hex	507D77
RGB	80, 125, 119
RGB Percent	31%, 49%, 47%
CMY	0.6876, 0.5112, 0.5347
CMYK	0.36, 0.00, 0.05, 0.51
HSL	172°, 22%, 40%
HSV	172°, 36%, 49%
XYZ	13.8789, 17.5941, 20.0097
YIQ	110.8610, -24.8940, -11.4060

Conversions

Conversions Part 2

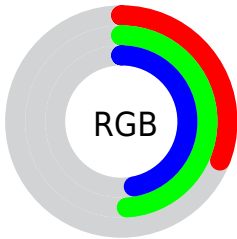
Format	Color
R_{YB}	80, 104, 125
Decimal	5274999
CIE _{Lab}	49.00, -16.88, -1.64
CIE _{LCh}	49, 16.957, 185.546
Yxy	17.5941, 0.2696, 0.3417
Android (android.graphics.Color)	4283465079 (0xFF507D77)
YUV	110.8610, 4.0125, -27.0651
Hunter-Lab	41.9453, -14.3419, 1.0778

Details

The CIELCh color `49, 16.957, 185.546` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `39, 20.248, 12.365`, and the grayscale version is `47, 0.006, 296.813`.

A 20% lighter version of the original color is `69, 17.148, 184.994`, and `29, 16.924, 185.840` is the 20% darker color. If you saturate the color by 10%, you get `48, 20.921, 184.653`, and if you desaturate by 10%, it is `50, 12.608, 186.400`.

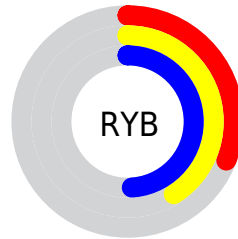
Distribution



Red (31%)

Green (49%)

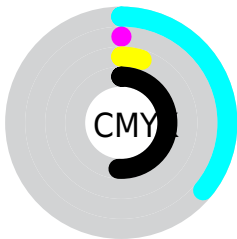
Blue (47%)



Red (31%)

Yellow (41%)

Blue (49%)

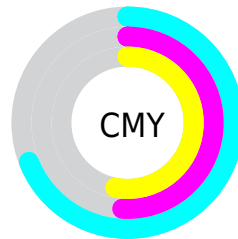


Cyan (36%)

Magenta (0%)

Yellow (5%)

Black (51%)



Cyan (69%)


Magenta (51%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.957, 185.546 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, 16.957, 185.546 by changing the saturation by 10% instead.


 49, 16.957,
185.546


 49, 16.957,
185.546


 100, 16.957,
185.546


 39, 16.957,
185.546

 69, 16.957,
185.546


 29, 16.957,
185.546

 79, 16.957,
185.546

 19, 16.957,
185.546

 89, 16.957,
185.546

 9, 16.957, 185.546

 99, 16.957,
185.546

 0, 16.957, 185.546

 49, 16.957,

 49, 16.957,

185.546

185.546

■ 48, 20.921,
184.653

■ 50, 12.608,
186.400

■ 48, 24.424,
183.715

■ 51, 7.950, 187.238

■ 47, 27.404,
182.714

■ 52, 3.061, 188.110

■ 53, 1.992, 8.578

■ 47, 29.820,
181.633

■ 54, 7.149, 9.474

■ 47, 31.662,
180.454

■ 55, 12.360, 10.241

■ 56, 17.585, 10.980

■ 47, 33.004,
179.179

■ 58, 22.792, 11.698

■ 47, 33.500,
178.693

■ 59, 27.960, 12.399

Harmonies

Complementary

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



49, 16.957, 185.546



39, 20.248, 12.365

Rectangle

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



49, 16.957, 185.546



49, 16.957, 235.546



49, 16.957, 5.546



49, 16.957, 55.546

Sweetspot

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



49, 16.957, 185.543



66, 6.834, 187.644



48, 30.778, 138.712



34, 4.560, 187.553



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, 16.957, 185.543



62, 24.515, 184.838



44, 13.840, 244.469



25, 2.776, 187.836



47, 33.559, 178.689



89, 56.961, 177.866

Inverse Universe

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



39, 20.248, 12.365



48, 30.585, 13.683



43, 16.557, 56.799



24, 2.892, 9.146



25, 56.192, 32.175



53, 97.419, 34.958

Previews

White Background



This preview shows how the CIELCh color 49, 16.957, 185.546 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, 16.957, 185.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

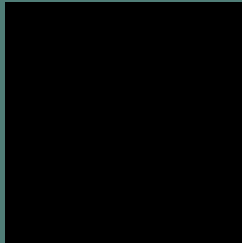
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

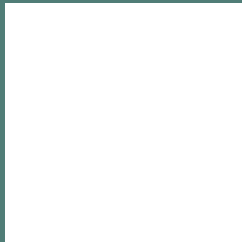
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 16.957, 185.546

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.957, 185.546.



This preview shows how white text looks on a background with the CIELCh color 49, 16.957, 185.546.

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, 16.957, 185.546

Protanopia
49, 2.003, 55.151

Deuteranopia
49, 7.472, 335.253



Tritanopia
49, 14.814, 219.123

Trichromacy



Original Color
49, 16.957, 185.546

Protanomaly
49, 6.068, 175.973

Deuteranomaly
49, 3.573, 228.835

Tritanomaly
49, 15.048, 204.650

Monochromacy



Original Color
49, 16.957, 185.546

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 6.434, 188.119

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.957, 185.546 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(80, 125, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 125, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.957, 185.546 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, 119) }
```

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

```
.border{ border-color:rgb(80, 125, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 125, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 125, 119);  
box-shadow:4px 4px 4px 4px rgb(80, 125,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.957, 185.546 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, 119) }
```

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

```
.background{ background-color: rgb(80, 125,  
119) }
```

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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