

Converting Colors

CIELCh(49, 16.349, 197.708)

Have a look what the booklet for
CIELCh(49, 16.349, 197.708)
contains.

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Color

CIELCh(49, 16.113, 197.723)

Conversions

Conversions Part 1

Format	Color
Hex	4F7C7C
RGB	79, 124, 124
RGB Percent	31%, 49%, 49%
CMY	0.6895, 0.5130, 0.5130
CMYK	0.36, 0.00, 0.00, 0.51
HSL	180°, 22%, 40%
HSV	180°, 36%, 49%
XYZ	14.1222, 17.5941, 21.7840
YIQ	110.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

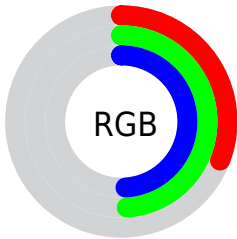
Format	Color
R_{YB}	79, 102, 124
Decimal	5209212
CIE _{Lab}	49.00, -15.35, -4.91
CIE _{LCh}	49, 16.113, 197.723
Yxy	17.5941, 0.2640, 0.3289
Android (android.graphics.Color)	4283399292 (0xFF4F7C7C)
YUV	110.5450, 6.6333, -27.6650
Hunter-Lab	41.9453, -13.3067, -1.4302

Details

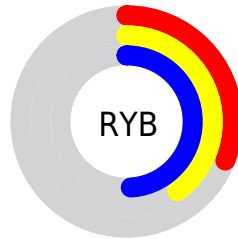
The CIELCh color **49, 16.113, 197.723** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 20.514, 22.519**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 16.381, 196.150**, and **29, 16.207, 197.016** is the 20% darker color. If you saturate the color by 10%, you get **48, 19.663, 197.353**, and if you desaturate by 10%, it is **50, 12.112, 198.142**.

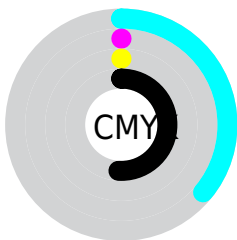
Distribution



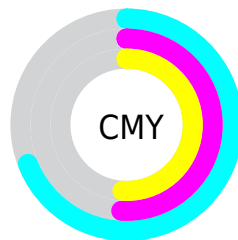
- Red (31%)
- Green (49%)
- Blue (49%)



- Red (31%)
- Yellow (40%)
- Blue (49%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (51%)





- Cyan (69%)
- Magenta (51%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.113, 197.723 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, 16.113, 197.723 by changing the saturation by 10% instead.


 49, 16.113,
197.723


 49, 16.113,
197.723


 100, 16.113,
197.723


 39, 16.113,
197.723

 69, 16.113,
197.723


 29, 16.113,
197.723


 79, 16.113,
197.723

 19, 16.113,
197.723

 89, 16.113,
197.723

 9, 16.113, 197.723

 99, 16.113,
197.723

 0, 16.113, 197.723

 49, 16.113,

 49, 16.113,

197.723

197.723

■ 48, 19.663,
197.353

■ 50, 12.112,
198.142

■ 48, 22.699,
197.045

■ 51, 7.732, 198.621

■ 48, 25.170,
196.798

■ 51, 3.046, 199.199

■ 52, 1.877, 19.398

■ 47, 27.052,
196.611

■ 54, 6.972, 20.109

■ 47, 28.349,
196.483

■ 55, 12.186, 20.711

■ 56, 17.474, 21.312

■ 47, 29.147,
196.405

■ 58, 22.798, 21.916

■ 47, 29.418,
196.378

■ 59, 28.129, 22.520

Harmonies

Complementary

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



49, 16.113, 197.723



39, 20.514, 22.519

Rectangle

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



49, 16.113, 197.723



49, 16.113, 247.723



49, 16.113, 17.723



49, 16.113, 67.723

Sweetspot

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



49, 16.113, 197.720



65, 6.552, 198.887



48, 31.958, 141.539



34, 4.424, 198.827



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, 16.113, 197.720



62, 22.812, 197.430



42, 15.187, 259.228



25, 2.700, 199.016



47, 29.546, 196.378



90, 49.737, 196.378

Inverse Universe

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



39, 20.514, 22.519



47, 30.820, 23.661



44, 16.919, 69.367



24, 2.851, 19.865



25, 60.074, 38.171



53, 103.780, 39.999

Previews

White Background



This preview shows how the CIELCh color 49, 16.113, 197.723 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, 16.113, 197.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

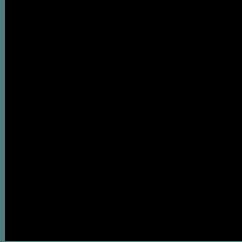
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 16.113, 197.723

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.113, 197.723.



This preview shows how white text looks on a background with the CIELCh color 49, 16.113, 197.723.

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, 16.113, 197.723

Protanopia

49, 2.499, 309.175

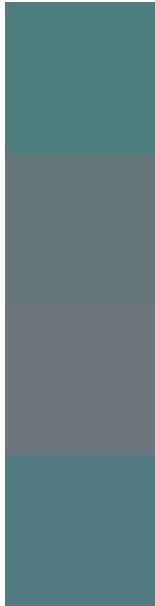
Deuteranopia

49, 9.008, 314.325



Tritanopia
49, 15.510, 220.454

Trichromacy



Original Color
49, 16.113, 197.723

Protanomaly
49, 6.018, 215.969

Deuteranomaly
49, 6.672, 251.832

Tritanomaly
49, 15.471, 213.466

Monochromacy



Original Color
49, 16.113, 197.723

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 6.629, 198.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.113, 197.723 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(79, 124, 124)` looks like.

```
.text, #text, p{  
    color:rgb(79, 124, 124)  
}
```

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(79, 124, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 124, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.113, 197.723 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(79, 124, 124) }
```

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

```
.border{ border-color:rgb(79, 124, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 124, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 124, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 124, 124);  
box-shadow:4px 4px 4px 4px rgb(79, 124,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.113, 197.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 124, 124) }
```

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

```
.background{ background-color: rgb(79, 124,  
124) }
```

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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