

Converting Colors

CIELCh(49, 23.769, 179.455)

Have a look what the booklet for
CIELCh(49, 23.769, 179.455)
contains.

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Color

CIELCh(49, 23.686, 179.505)

Conversions

Conversions Part 1

Format	Color
Hex	3F7F73
RGB	63, 127, 115
RGB Percent	25%, 50%, 45%
CMY	0.7514, 0.5004, 0.5476
CMYK	0.50, 0.00, 0.09, 0.50
HSL	169°, 34%, 37%
HSV	169°, 50%, 50%
XYZ	12.8300, 17.5941, 19.0522
YIQ	106.4960, -34.2920, -17.3000

Conversions

Conversions Part 2

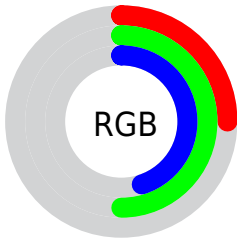
Format	Color
RYB	63, 98, 127
Decimal	4161395
CIELab	49.00, -23.69, 0.20
CIELCh	49, 23.686, 179.505
Yxy	17.5941, 0.2593, 0.3556
Android (android.graphics.Color)	4282351475 (0xFF3F7F73)
YUV	106.4960, 4.1925, -38.1460
Hunter-Lab	41.9453, -18.8057, 2.4313

Details

The CIELCh color **49, 23.686, 179.505** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 29.443, 10.760**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 23.735, 179.869**, and **29, 23.501, 179.927** is the 20% darker color. If you saturate the color by 10%, you get **48, 27.287, 178.366**, and if you desaturate by 10%, it is **50, 19.611, 180.557**.

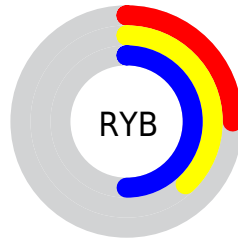
Distribution



Red (25%)

Green (50%)

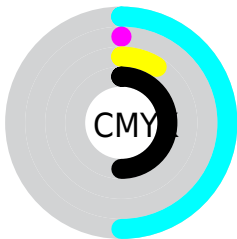
Blue (45%)



Red (25%)

Yellow (38%)

Blue (50%)

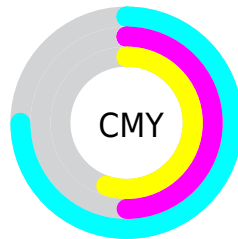


Cyan (50%)

Magenta (0%)

Yellow (9%)

Black (50%)



Cyan (75%)

Magenta (50%)

Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 23.686, 179.505 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, 23.686, 179.505 by changing the saturation by 10% instead.


 49, 23.686,
179.505


 49, 23.686,
179.505


 100, 23.686,
179.505


 39, 23.686,
179.505

 69, 23.686,
179.505


 29, 23.686,
179.505

 79, 23.686,
179.505

 19, 23.686,
179.505

 89, 23.686,
179.505

 9, 23.686, 179.505

 99, 23.686,
179.505

 0, 23.686, 179.505

 49, 23.686,

 49, 23.686,

179.505

179.505

■ 48, 27.287,
178.366

■ 50, 19.611,
180.557

■ 48, 30.353,
177.124

■ 50, 15.137,
181.544

■ 48, 32.850,
175.757

■ 51, 10.345,
182.481

■ 47, 34.779,
174.247

■ 52, 5.315, 183.396

■ 47, 36.323,
172.716

■ 53, 0.121, 187.220

■ 54, 5.174, 4.913

■ 56, 10.515, 5.735

■ 57, 15.861, 6.508

■ 59, 21.179, 7.252

Harmonies

Complementary

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



49, 23.686, 179.505



35, 29.443, 10.760

Rectangle

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



49, 23.686, 179.505



49, 23.686, 229.505



49, 23.686, 359.505



49, 23.686, 49.505

Sweetspot

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



49, 23.686, 179.503



66, 9.589, 182.928



48, 42.225, 136.015



34, 6.574, 182.766



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, 23.686, 179.503



62, 33.535, 178.226



43, 18.250, 237.672



26, 2.933, 183.503



47, 36.347, 172.714



0, 0.000, 0.000

Inverse Universe

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



35, 29.443, 10.760



42, 43.856, 13.393



40, 25.009, 49.103



25, 3.040, 4.926



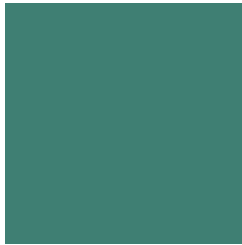
26, 55.136, 28.487



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 23.686, 179.505 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, 23.686, 179.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

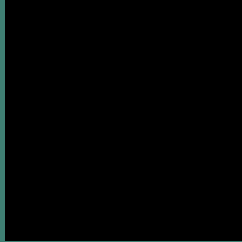
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 23.686, 179.505

Background



This preview shows how black text looks on a background with the CIELCh color 49, 23.686, 179.505.

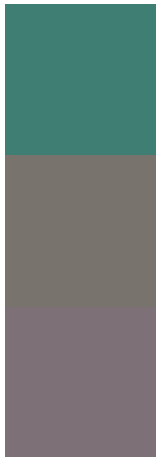


This preview shows how white text looks on a background with the CIELCh color 49, 23.686, 179.505.

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, 23.686, 179.505

Protanopia
49, 4.070, 79.025

Deuteranopia
49, 7.032, 344.506



Tritanopia
49, 19.160, 215.647

Trichromacy



Original Color
49, 23.686, 179.505

Protanomaly
49, 9.953, 166.201

Deuteranomaly
48, 5.861, 198.816

Tritanomaly
49, 19.911, 200.793

Monochromacy



Original Color
49, 23.686, 179.505

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.357, 183.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 23.686, 179.505 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(63, 127, 115)` looks like.

```
.text, #text, p{  
    color:rgb(63, 127, 115)  
}
```

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(63, 127, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 127, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 23.686, 179.505 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(63, 127, 115) }
```

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

```
.border{ border-color:rgb(63, 127, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 127, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 127, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 127, 115);  
box-shadow:4px 4px 4px 4px rgb(63, 127,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 23.686, 179.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 127, 115) }
```

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

```
.background{ background-color: rgb(63, 127,  
115) }
```

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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