

Converting Colors

CIELCh(48, 26.827, 175.909)

Have a look what the booklet for
CIELCh(48, 26.827, 175.909)
contains.

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Color

CIELCh(48, 26.949, 175.993)

Conversions

Conversions Part 1

Format	Color
Hex	357E6E
RGB	53, 126, 110
RGB Percent	21%, 49%, 43%
CMY	0.7923, 0.5060, 0.5687
CMYK	0.58, 0.00, 0.13, 0.51
HSL	167°, 41%, 35%
HSV	167°, 58%, 49%
XYZ	11.7359, 16.7945, 17.3660
YIQ	102.3490, -38.3720, -20.4520

Conversions

Conversions Part 2

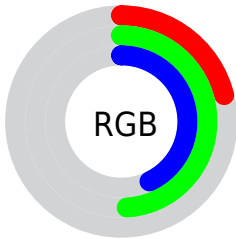
Format	Color
RYB	53, 94, 126
Decimal	3505774
CIELab	48.00, -26.88, 1.88
CIElCh	48, 26.949, 175.993
Yxy	16.7945, 0.2557, 0.3659
Android (android.graphics.Color)	4281695854 (0xFF357E6E)
YUV	102.3490, 3.7719, -43.2791
Hunter-Lab	40.9810, -20.5991, 3.5622

Details

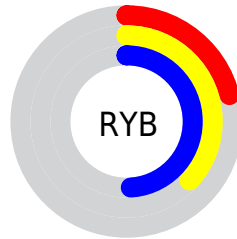
The CIELCh color **48, 26.949, 175.993** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **33, 33.800, 10.075**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 26.930, 175.515**, and **28, 24.484, 175.616** is the 20% darker color. If you saturate the color by 10%, you get **48, 30.283, 174.690**, and if you desaturate by 10%, it is **49, 23.111, 177.179**.

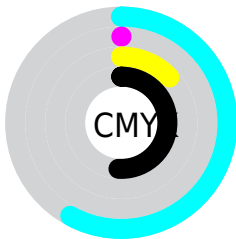
Distribution



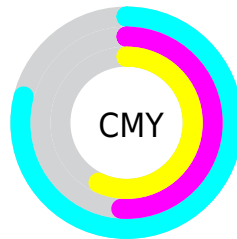
- Red (21%)
- Green (49%)
- Blue (43%)



- Red (21%)
- Yellow (37%)
- Blue (49%)



- Cyan (58%)
- Magenta (0%)
- Yellow (13%)
- Black (51%)



- Cyan (79%)
- Magenta (51%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 26.949, 175.993 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 48, 26.949, 175.993 by changing the saturation by 10% instead.


 48, 26.949,
175.993


 48, 26.949,
175.993


 100, 26.949,
175.993

 38, 26.949,
175.993

 68, 26.949,
175.993


 28, 26.949,
175.993

 78, 26.949,
175.993

 18, 26.949,
175.993

 88, 26.949,
175.993

 8, 26.949, 175.993

 98, 26.949,
175.993

 0, 26.949, 175.993

 48, 26.949,

 48, 26.949,

175.993

175.993

■ 48, 30.283,
174.690

■ 49, 23.111,
177.179

■ 47, 33.067,
173.253

■ 49, 18.833,
178.273

■ 47, 35.291,
171.661

■ 50, 14.195,
179.292

■ 47, 37.083,
169.962

■ 51, 9.279, 180.255

■ 47, 37.446,
169.629

■ 52, 4.161, 181.201

■ 53, 1.086, 1.639

■ 54, 6.403, 2.732

■ 56, 11.742, 3.544

■ 57, 17.062, 4.312

Harmonies

Complementary

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



48, 26.949, 175.993



33, 33.800, 10.075

Rectangle

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



48, 26.949, 175.993



48, 26.949, 225.993



48, 26.949, 355.993



48, 26.949, 45.993

Sweetspot

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



48, 26.949, 175.992



65, 10.869, 180.307



48, 47.254, 134.686



33, 7.216, 180.159



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 26.949, 175.992



61, 37.888, 174.177



42, 20.019, 234.152



26, 2.976, 181.088



47, 37.786, 169.604



0, 0.000, 0.000

Inverse Universe

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



33, 33.800, 10.075



39, 49.955, 13.964



37, 29.795, 45.908



25, 3.075, 2.549



26, 54.099, 26.042



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 26.949, 175.993 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 48, 26.949, 175.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

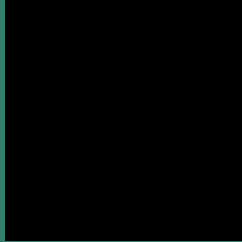
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 26.949, 175.993

Background



This preview shows how black text looks on a background with the CIELCh color 48, 26.949, 175.993.

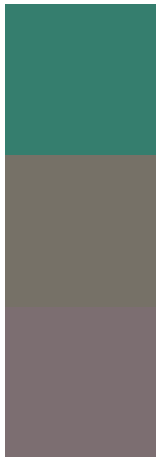


This preview shows how white text looks on a background with the CIELCh color 48, 26.949, 175.993.

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
48, 26.949, 175.993

Protanopia
48, 6.235, 89.591

Deuteranopia
48, 6.041, 3.140



Tritanopia
48, 20.550, 214.302

Trichromacy



Original Color
48, 26.949, 175.993

Protanomaly
47, 12.015, 161.969

Deuteranomaly
47, 7.536, 180.265

Tritanomaly
48, 21.707, 198.732

Monochromacy



Original Color
48, 26.949, 175.993

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 11.239, 179.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 26.949, 175.993 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(53, 126, 110)` looks like.

```
.text, #text, p{  
    color:rgb(53, 126, 110)  
}
```

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(53, 126, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 126, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 26.949, 175.993 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(53, 126, 110) }
```

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

```
.border{ border-color:rgb(53, 126, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 126, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 126, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 126, 110);  
box-shadow:4px 4px 4px 4px rgb(53, 126,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 26.949, 175.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 126, 110) }
```

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

```
.background{ background-color: rgb(53, 126,  
110) }
```

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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