

Converting Colors

CIELCh(49, 30.559, 173.531)

Have a look what the booklet for
CIELCh(49, 30.559, 173.531)
contains.

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Color

CIELCh(49, 30.661, 173.674)

Conversions

Conversions Part 1

Format	Color
Hex	2D826E
RGB	45, 130, 110
RGB Percent	18%, 51%, 43%
CMY	0.8243, 0.4909, 0.5693
CMYK	0.65, 0.00, 0.15, 0.49
HSL	166°, 49%, 34%
HSV	166°, 65%, 51%
XYZ	11.8379, 17.5941, 17.4761
YIQ	102.3050, -44.2400, -24.2400

Conversions

Conversions Part 2

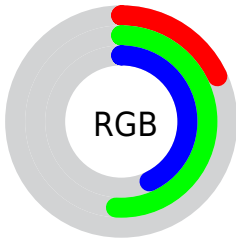
Format	Color
RYB	45, 93, 130
Decimal	2982510
CIELab	49.00, -30.47, 3.38
CIELCh	49, 30.661, 173.674
Yxy	17.5941, 0.2524, 0.3751
Android (android.graphics.Color)	4281172590 (0xFF2D826E)
YUV	102.3050, 3.7936, -50.2565
Hunter-Lab	41.9453, -23.0276, 4.6590

Details

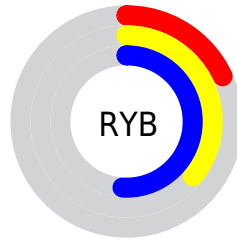
The CIELCh color **49, 30.661, 173.674** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **32, 38.995, 10.879**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 30.807, 173.789**, and **30, 26.627, 171.403** is the 20% darker color. If you saturate the color by 10%, you get **49, 33.737, 172.221**, and if you desaturate by 10%, it is **49, 27.034, 174.986**.

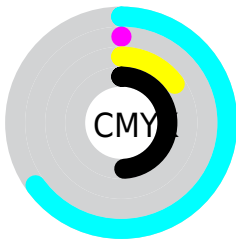
Distribution



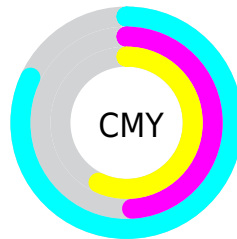
- Red (18%)
- Green (51%)
- Blue (43%)



- Red (18%)
- Yellow (36%)
- Blue (51%)



- Cyan (65%)
- Magenta (0%)
- Yellow (15%)
- Black (49%)




- Cyan (82%)
- Magenta (49%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.661, 173.674 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, 30.661, 173.674 by changing the saturation by 10% instead.


 49, 30.661,
173.674


 49, 30.661,
173.674


 100, 30.661,
173.674

 39, 30.661,
173.674

 69, 30.661,
173.674


 29, 30.661,
173.674

 79, 30.661,
173.674

 19, 30.661,
173.674

 89, 30.661,
173.674

 9, 30.661, 173.674

 99, 30.661,
173.674

 0, 30.661, 173.674

 49, 30.661,

 49, 30.661,

173.674

173.674

■ 49, 33.737,
172.221

■ 49, 27.034,
174.986

■ 48, 36.239,
170.610

■ 50, 22.908,
176.183

■ 48, 38.220,
168.847

■ 51, 18.355,
177.284

■ 48, 39.069,
168.074

■ 52, 13.461,
178.309

■ 53, 8.308, 179.279

■ 54, 2.976, 180.256

■ 55, 2.464, 0.840

■ 56, 7.955, 1.758

■ 57, 13.450, 2.560

Harmonies

Complementary

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



49, 30.661, 173.674



32, 38.995, 10.879

Rectangle

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



49, 30.661, 173.674



49, 30.661, 223.674



49, 30.661, 353.674



49, 30.661, 43.674

Sweetspot

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



49, 30.661, 173.673



66, 13.166, 178.803



49, 53.617, 133.862



34, 8.907, 178.575



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, 30.661, 173.673



62, 42.471, 171.387



43, 22.230, 233.217



26, 2.999, 179.891



47, 38.542, 168.112



0, 0.000, 0.000

Inverse Universe

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



32, 38.995, 10.879



38, 56.488, 16.118



36, 35.743, 44.652



25, 3.094, 1.365



26, 53.610, 24.744



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 30.661, 173.674 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, 30.661, 173.674 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, 30.661, 173.674

Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.661, 173.674.

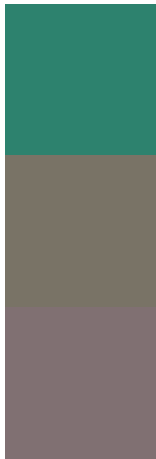


This preview shows how white text looks on a background with the CIELCh color 49, 30.661, 173.674.

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, 30.661, 173.674

Protanopia
49, 8.022, 90.622

Deuteranopia
49, 6.715, 10.143



Tritanopia
49, 22.323, 212.729

Trichromacy



Original Color
49, 30.661, 173.674

Protanomaly
48, 14.049, 158.959

Deuteranomaly
48, 8.716, 174.476

Tritanomaly
49, 23.999, 195.531

Monochromacy



Original Color
49, 30.661, 173.674

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 12.830, 178.843

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 30.661, 173.674 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(45, 130, 110)` looks like.

```
.text, #text, p{  
    color:rgb(45, 130, 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(45, 130, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 130, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 30.661, 173.674 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(45, 130, 110) }
```

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

```
.border{ border-color:rgb(45, 130, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 130, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 130, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 130, 110);  
box-shadow:4px 4px 4px 4px rgb(45, 130,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 30.661, 173.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 130, 110) }
```

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

```
.background{ background-color: rgb(45, 130,  
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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