

Converting Colors

CIELCh(48, 26.461, 199.627)

Have a look what the booklet for
CIELCh(48, 26.461, 199.627)
contains.

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Color

CIELCh(48, 26.544, 199.294)

Conversions

Conversions Part 1

Format	Color
Hex	227E80
RGB	34, 126, 128
RGB Percent	13%, 49%, 50%
CMY	0.8671, 0.5062, 0.4984
CMYK	0.74, 0.02, 0.00, 0.50
HSL	181°, 58%, 32%
HSV	181°, 74%, 50%
XYZ	11.9966, 16.7945, 23.0024
YIQ	98.7200, -55.4740, -18.8820

Conversions

Conversions Part 2

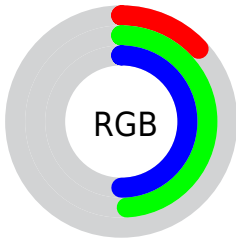
Format	Color
R_{YB}	34, 80, 128
Decimal	2260608
CIE _{Lab}	48.00, -25.05, -8.77
CIE _{LCh}	48, 26.544, 199.294
Yxy	16.7945, 0.2316, 0.3243
Android (android.graphics.Color)	4280450688 (0xFF227E80)
YUV	98.7200, 14.4350, -56.7594
Hunter-Lab	40.9810, -19.4637, -4.5924

Details

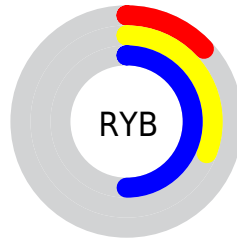
The CIELCh color **48, 26.544, 199.294** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 46.093, 31.584**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 26.438, 199.729**, and **29, 20.434, 202.011** is the 20% darker color. If you saturate the color by 10%, you get **48, 27.946, 199.363**, and if you desaturate by 10%, it is **48, 24.536, 199.317**.

Distribution



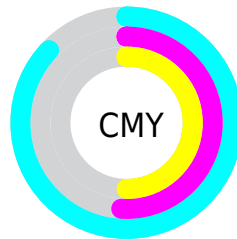
- Red (13%)
- Green (49%)
- Blue (50%)



- Red (13%)
- Yellow (31%)
- Blue (50%)



- Cyan (74%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (87%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 26.544, 199.294 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, 26.544, 199.294 by changing the saturation by 10% instead.

 48, 26.544,
199.294

 48, 26.544,
199.294

 100, 26.544,
199.294

 38, 26.544,
199.294

 68, 26.544,
199.294


 28, 26.544,
199.294

 78, 26.544,
199.294

 18, 26.544,
199.294

 88, 26.544,
199.294

 8, 26.544, 199.294

 98, 26.544,
199.294

 0, 26.544, 199.294

 48, 26.544,

 48, 26.544,

199.294

■ 48, 27.946,
199.363

■ 47, 28.779,
199.529

■ 47, 29.191,
199.655

199.294

■ 48, 24.536,
199.317

■ 49, 21.930,
199.431

■ 50, 18.761,
199.631

■ 50, 15.086,
199.907

■ 51, 10.972,
200.254

■ 52, 6.495, 200.673

■ 53, 1.728, 201.283

■ 54, 3.262, 21.408

■ 56, 8.414, 21.990

Harmonies

Complementary

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



48, 26.544, 199.294



29, 46.093, 31.584

Rectangle

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



48, 26.544, 199.294



48, 26.544, 249.294



48, 26.544, 19.294



48, 26.544, 69.294

Sweetspot

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



48, 26.544, 199.293



65, 12.733, 200.293



47, 61.050, 138.382



34, 8.560, 200.208



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 26.544, 199.293



61, 34.488, 199.461



33, 31.979, 273.584



26, 2.733, 200.891



47, 29.122, 199.654



0, 0.000, 0.000

Inverse Universe

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



32, 59.603, 328.480



40, 79.697, 328.892



39, 38.003, 67.916



25, 5.029, 325.471



29, 68.024, 329.067



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 26.544, 199.294 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, 26.544, 199.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

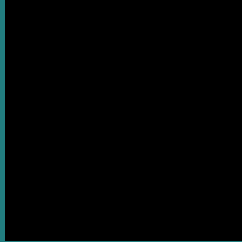
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 26.544, 199.294

Background



This preview shows how black text looks on a background with the CIELCh color 48, 26.544, 199.294.



This preview shows how white text looks on a background with the CIELCh color 48, 26.544, 199.294.

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, 26.544, 199.294

Protanopia
48, 4.134, 290.743

Deuteranopia
48, 12.006, 300.899



Tritanopia
48, 25.119, 210.736

Trichromacy



Original Color
48, 26.544, 199.294

Protanomaly
47, 12.641, 211.754

Deuteranomaly
47, 13.257, 237.437

Tritanomaly
48, 25.492, 206.325

Monochromacy



Original Color
48, 26.544, 199.294

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 12.668, 200.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 26.544, 199.294 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(34, 126, 128)` looks like.

```
.text, #text, p{  
    color:rgb(34, 126, 128)  
}
```

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(34, 126, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 126, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 26.544, 199.294 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(34, 126, 128) }
```

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

```
.border{ border-color:rgb(34, 126, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 126, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 126, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 126, 128);  
box-shadow:4px 4px 4px 4px rgb(34, 126,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 26.544, 199.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 126, 128) }
```

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

```
.background{ background-color: rgb(34, 126,  
128) }
```

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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