

Converting Colors

CIELCh(48, 28.654, 209.939)

Have a look what the booklet for
CIELCh(48, 28.654, 209.939)
contains.

CIELCh(48, 28.602, 209.968)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 28.602, 209.968)

Conversions

Conversions Part 1

Format	Color
Hex	027E89
RGB	2, 126, 137
RGB Percent	1%, 49%, 54%
CMY	0.9935, 0.5051, 0.4620
CMYK	0.99, 0.08, 0.00, 0.46
HSL	185°, 98%, 27%
HSV	185°, 99%, 54%
XYZ	12.0361, 16.7945, 26.3487
YIQ	90.1780, -77.4350, -22.8670

Conversions

Conversions Part 2

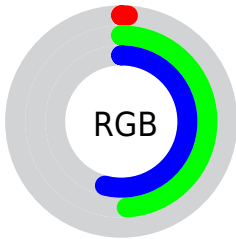
Format	Color
RYB	2, 67, 137
Decimal	163465
CIELab	48.00, -24.78, -14.29
CIELCh	48, 28.602, 209.968
Yxy	16.7945, 0.2181, 0.3044
Android (android.graphics.Color)	4278353545 (0xFF027E89)
YUV	90.1780, 23.0832, -77.3321
Hunter-Lab	40.9810, -19.2915, -9.4336

Details

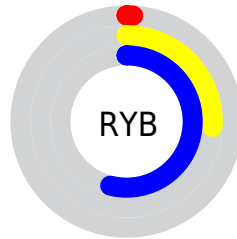
The CIELCh color **48, 28.602, 209.968** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 63.260, 40.087**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 28.520, 209.680**, and **29, 20.156, 217.696** is the 20% darker color. If you saturate the color by 10%, you get **48, 28.660, 210.103**, and if you desaturate by 10%, it is **48, 28.085, 208.839**.

Distribution



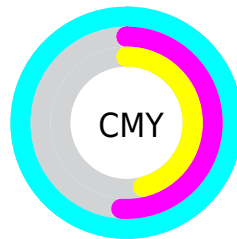
- Red (1%)
- Green (49%)
- Blue (54%)



- Red (1%)
- Yellow (26%)
- Blue (54%)



- Cyan (99%)
- Magenta (8%)
- Yellow (0%)
- Black (46%)



- Cyan (99%)
- Magenta (51%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.602, 209.968 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, 28.602, 209.968 by changing the saturation by 10% instead.

 48, 28.602,
209.968

 48, 28.602,
209.968

 100, 28.602,
209.968

 38, 28.602,
209.968

 68, 28.602,
209.968

 28, 28.602,
209.968

 78, 28.602,
209.968

 18, 28.602,
209.968

 88, 28.602,
209.968

 8, 28.602, 209.968

 98, 28.602,
209.968

 0, 28.602, 209.968

 48, 28.602,

 48, 28.602,

209.968

■ 48, 28.660,
210.103

209.968

■ 48, 28.085,
208.839

■ 49, 27.105,
207.911

■ 50, 25.504,
207.218

■ 50, 23.274,
206.736

■ 51, 20.440,
206.437

■ 52, 17.052,
206.295

■ 53, 13.180,
206.286

■ 55, 8.897, 206.392

Harmonies

Complementary

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



48, 28.602, 209.968



28, 63.260, 40.087

Rectangle

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



48, 28.602, 209.968



48, 28.602, 259.968



48, 28.602, 29.968



48, 28.602, 79.968

Sweetspot

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



48, 28.601, 209.967



68, 16.905, 206.278



49, 73.856, 136.837



35, 11.325, 206.275



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 28.601, 209.967



61, 34.710, 210.438



27, 49.889, 288.421



28, 2.752, 206.610



46, 27.968, 210.054



1, 1.308, 206.754

Inverse Universe

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



32, 68.275, 331.614



42, 82.986, 331.741



39, 51.934, 67.502



27, 5.147, 327.188



30, 66.844, 331.647



0, 2.375, 326.706

Previews

White Background



This preview shows how the CIE LCh color 48, 28.602, 209.968 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, 28.602, 209.968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

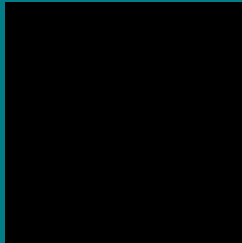
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 28.602, 209.968

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.602, 209.968.



This preview shows how white text looks on a background with the CIELCh color 48, 28.602, 209.968.

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, 28.551, 209.997

Protanopia
48, 8.870, 286.412

Deuteranopia
48, 17.727, 292.519



Tritanopia
48, 28.654, 209.939

Trichromacy



Original Color
48, 28.551, 209.997

Protanomaly
47, 17.293, 224.581

Deuteranomaly
47, 19.656, 242.507

Tritanomaly
48, 28.602, 209.968

Monochromacy



Original Color
48, 28.551, 209.997

Achromatopsia
38, 0.005, 296.813

Achromatomaly
41, 15.969, 206.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.602, 209.968 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(2, 126, 137)` looks like.

```
.text, #text, p{  
    color:rgb(2, 126, 137)  
}
```

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(2, 126, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 126, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.602, 209.968 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(2, 126, 137) }
```

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

```
.border{ border-color:rgb(2, 126, 137) }
```

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

Here you see how a box with a 4 pixel rgb(2, 126, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 126, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 126, 137);  
box-shadow:4px 4px 4px 4px rgb(2, 126,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.602, 209.968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 126, 137) }
```

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

```
.background{ background-color: rgb(2, 126,  
137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor