

Converting Colors

CIELCh(49, 2.782, 199.688)

Have a look what the booklet for
CIELCh(49, 2.782, 199.688) contains.

CIELCh(49, 2.780, 199.229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 2.780, 199.229)

Conversions

Conversions Part 1

Format	Color
Hex	6F7676
RGB	111, 118, 118
RGB Percent	44%, 46%, 46%
CMY	0.5653, 0.5379, 0.5379
CMYK	0.06, 0.00, 0.00, 0.54
HSL	180°, 3%, 45%
HSV	180°, 6%, 46%
XYZ	16.2570, 17.5941, 19.6303
YIQ	115.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

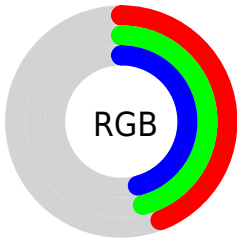
Format	Color
R_{YB}	111, 115, 118
Decimal	7304822
CIE Lab	49.00, -2.62, -0.92
CIE LCh	49, 2.780, 199.229
Yxy	17.5941, 0.3040, 0.3290
Android (android.graphics.Color)	4285494902 (0xFF6F7676)
YUV	115.9070, 1.0318, -4.3034
Hunter-Lab	41.9453, -4.2218, 1.6141

Details

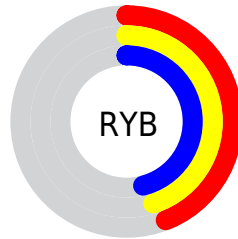
The CIELCh color **49, 2.780, 199.229** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 2.881, 19.599**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 2.610, 199.368**, and **29, 3.019, 199.007** is the 20% darker color. If you saturate the color by 10%, you get **48, 7.279, 198.622**, and if you desaturate by 10%, it is **50, 1.940, 19.409**.

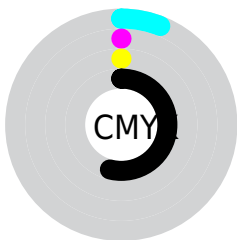
Distribution



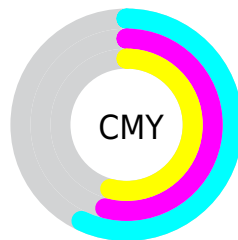
- Red (44%)
- Green (46%)
- Blue (46%)



- Red (44%)
- Yellow (45%)
- Blue (46%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (57%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 2.780, 199.229 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, 2.780, 199.229 by changing the saturation by 10% instead.

■ 49, 2.780, 199.229 ■ 49, 2.780, 199.229

■ 100, 2.780,
199.229 ■ 39, 2.780, 199.229

■ 69, 2.780, 199.229 ■ 29, 2.780, 199.229

■ 79, 2.780, 199.229 ■ 19, 2.780, 199.229

■ 89, 2.780, 199.229 ■ 9, 2.780, 199.229

■ 99, 2.780, 199.229 ■ 0, 2.780, 199.229

■ 49, 2.780, 199.229 ■ 49, 2.780, 199.229

■ 48, 7.279, 198.622 ■ 50, 1.940, 19.409

■ 47, 11.488,
198.142 ■ 51, 6.824, 20.105

47, 15.339,
197.719

52, 11.820, 20.704

46, 18.764,
197.350

53, 16.885, 21.302

46, 21.702,
197.039

55, 21.985, 21.903

45, 24.105,
196.787

58, 32.183, 23.103

45, 25.947,
196.596

59, 37.245, 23.695

45, 27.230,
196.463

61, 42.266, 24.279

45, 28.037,
196.378

Harmonies

Complementary

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



49, 2.780, 199.229



47, 2.881, 19.599

Rectangle

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



49, 2.780, 199.229



49, 2.780, 249.229



49, 2.780, 19.229



49, 2.780, 69.229

Sweetspot

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



49, 2.781, 199.205



63, 1.168, 199.661



49, 4.993, 143.718



32, 0.660, 199.702



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



49, 2.781, 199.205



62, 4.046, 199.119



48, 2.440, 254.398



24, 2.093, 199.115



46, 29.116, 196.346



89, 49.363, 196.344

Inverse Universe

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



47, 2.881, 19.599



60, 4.223, 19.699



48, 2.469, 72.815



23, 2.186, 19.703



24, 59.034, 37.978



52, 102.975, 39.992

Previews

White Background



This preview shows how the CIELCh color 49, 2.780, 199.229 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 CIE LCh color 49, 2.780, 199.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

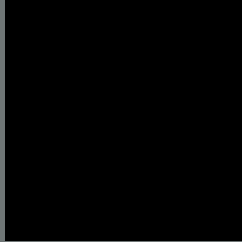
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

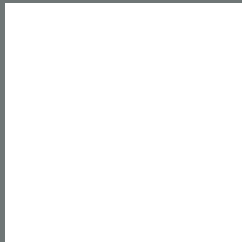
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 2.780, 199.229

Background



This preview shows how black text looks on a background with the CIELCh color 49, 2.780, 199.229.



This preview shows how white text looks on a background with the CIELCh color 49, 2.780, 199.229.

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, 2.780, 199.229

Protanopia

49, 1.008, 343.509

Deuteranopia

49, 6.361, 346.588



Tritanopia
49, 5.590, 270.626

Trichromacy



Original Color

49, 2.780, 199.229

Protanomaly

49, 0.802, 199.779

Deuteranomaly

49, 3.114, 330.705

Tritanomaly

49, 3.997, 261.364

Monochromacy



Original Color

49, 2.780, 199.229

Achromatopsia

49, 0.007, 296.813

Achromatomaly

49, 1.201, 199.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 2.780, 199.229 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(111, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(111, 118, 118)  
}
```

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(111, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 118, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 2.780, 199.229 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(111, 118, 118) }
```

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

```
.border{ border-color:rgb(111, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(111, 118,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 2.780, 199.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 118, 118) }
```

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

```
.background{ background-color: rgb(111,  
118, 118) }
```

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