

Converting Colors

CIELCh(48, 2.772, 193.196)

Have a look what the booklet for
CIELCh(48, 2.772, 193.196) contains.

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Color

CIELCh(48, 2.792, 199.219)

Conversions

Conversions Part 1

Format	Color
Hex	6C7373
RGB	108, 115, 115
RGB Percent	42%, 45%, 45%
CMY	0.5751, 0.5477, 0.5477
CMYK	0.06, 0.00, 0.00, 0.55
HSL	180°, 3%, 44%
HSV	180°, 6%, 45%
XYZ	15.5093, 16.7945, 18.7470
YIQ	112.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

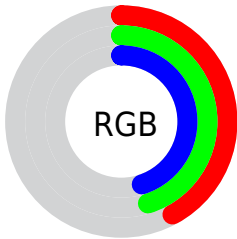
Format	Color
R_{YB}	108, 112, 115
Decimal	7107443
CIE Lab	48.00, -2.64, -0.92
CIE LCh	48, 2.792, 199.219
Yxy	16.7945, 0.3038, 0.3290
Android (android.graphics.Color)	4285297523 (0xFF6C7373)
YUV	112.9070, 1.0318, -4.3034
Hunter-Lab	40.9810, -4.1633, 1.5641

Details

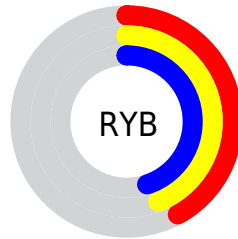
The CIELCh color **48, 2.792, 199.219** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 2.895, 19.609**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 2.989, 199.307**, and **28, 2.613, 199.070** is the 20% darker color. If you saturate the color by 10%, you get **47, 7.209, 198.616**, and if you desaturate by 10%, it is **49, 1.843, 19.394**.

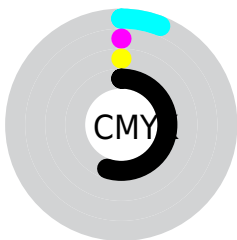
Distribution



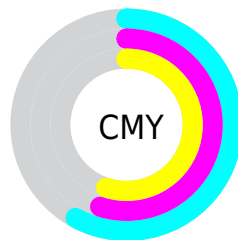
- Red (42%)
- Green (45%)
- Blue (45%)



- Red (42%)
- Yellow (44%)
- Blue (45%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (55%)





















- Cyan (58%)
- Magenta (55%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 2.792, 199.219 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, 2.792, 199.219 by changing the saturation by 10% instead.

 48, 2.792, 199.219	 48, 2.792, 199.219
 100, 2.792, 199.219	 38, 2.792, 199.219
 68, 2.792, 199.219	 28, 2.792, 199.219
 78, 2.792, 199.219	 18, 2.792, 199.219
 88, 2.792, 199.219	 8, 2.792, 199.219
 98, 2.792, 199.219	 0, 2.792, 199.219

 48, 2.792, 199.219	 48, 2.792, 199.219
 47, 7.209, 198.616	 49, 1.843, 19.394
 46, 11.342, 198.138	 50, 6.639, 20.094

■ 46, 15.124,
197.716

■ 51, 11.547, 20.692

■ 45, 18.488,
197.348

■ 52, 16.522, 21.289

■ 54, 21.532, 21.888

■ 45, 21.373,
197.038

■ 55, 26.549, 22.488

■ 44, 23.734,
196.787

■ 57, 31.553, 23.086

■ 58, 36.528, 23.677

■ 44, 25.545,
196.596

■ 60, 41.462, 24.259

■ 44, 26.809,
196.462

■ 44, 27.613,
196.376

Harmonies

Complementary

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



48, 2.792, 199.219



46, 2.895, 19.609

Rectangle

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



48, 2.792, 199.219



48, 2.792, 249.219



48, 2.792, 19.219



48, 2.792, 69.219

Sweetspot

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



48, 2.793, 199.196



62, 1.152, 199.661



48, 5.017, 143.711



32, 0.660, 199.701



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



48, 2.793, 199.196



61, 3.991, 199.119



47, 2.451, 254.410



24, 2.093, 199.115



46, 29.116, 196.345



89, 49.364, 196.343

Inverse Universe

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



46, 2.895, 19.609



59, 4.165, 19.698



47, 2.481, 72.804



23, 2.186, 19.702



24, 59.034, 37.977



52, 102.975, 39.992

Previews

White Background



This preview shows how the CIELCh color 48, 2.792, 199.219 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 48, 2.792, 199.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

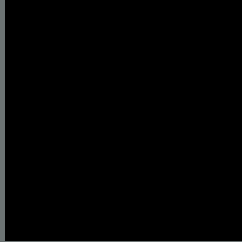
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

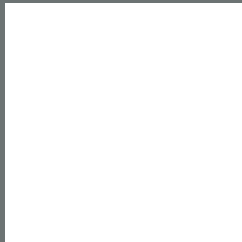
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 2.792, 199.219

Background



This preview shows how black text looks on a background with the CIELCh color 48, 2.792, 199.219.



This preview shows how white text looks on a background with the CIELCh color 48, 2.792, 199.219.

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, 2.792, 199.219

Protanopia

48, 1.363, 353.686

Deuteranopia

48, 6.737, 348.613



Tritanopia
48, 5.501, 274.457

Trichromacy



Original Color
48, 2.792, 199.219

Protanomaly
48, 0.403, 200.266

Deuteranomaly
48, 3.407, 335.933

Tritanomaly
48, 4.015, 261.390

Monochromacy



Original Color
48, 2.792, 199.219

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 1.207, 199.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 2.792, 199.219 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(108, 115, 115)` looks like.

```
.text, #text, p{  
    color:rgb(108, 115, 115)  
}
```

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(108, 115, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 115, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 2.792, 199.219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

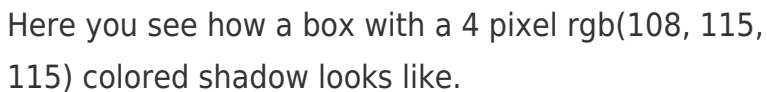
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 115, 115) }
```

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

```
.border{ border-color:rgb(108, 115, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 115, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 115, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 115, 115);  
box-shadow:4px 4px 4px 4px rgb(108, 115,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 2.792, 199.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 115, 115) }
```

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

```
.background{ background-color: rgb(108,  
115, 115) }
```

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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