

Converting Colors

CIELCh(47, 2.630, 199.009)

Have a look what the booklet for
CIELCh(47, 2.630, 199.009) contains.

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Color

CIELCh(47, 2.800, 199.212)

Conversions

Conversions Part 1

Format	Color
Hex	6A7171
RGB	106, 113, 113
RGB Percent	42%, 44%, 44%
CMY	0.5849, 0.5575, 0.5575
CMYK	0.06, 0.00, 0.00, 0.56
HSL	180°, 3%, 43%
HSV	180°, 6%, 44%
XYZ	14.7856, 16.0195, 17.8901
YIQ	110.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

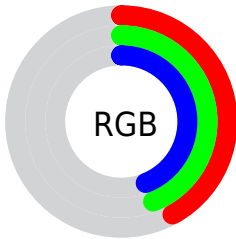
Format	Color
R_{YB}	106, 110, 113
Decimal	6975857
CIE Lab	47.00, -2.64, -0.92
CIE LCh	47, 2.800, 199.212
Yxy	16.0195, 0.3036, 0.3290
Android (android.graphics.Color)	4285165937 (0xFF6A7171)
YUV	110.9070, 1.0318, -4.3034
Hunter-Lab	40.0243, -4.1020, 1.5155

Details

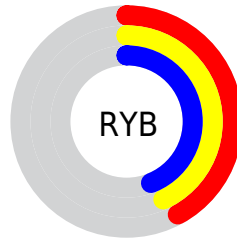
The CIELCh color $47, 2.800, 199.212$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 2.906, 19.620$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 2.995, 199.302$, and $27, 2.625, 199.057$ is the 20% darker color. If you saturate the color by 10%, you get $46, 7.136, 198.614$, and if you desaturate by 10%, it is $48, 1.750, 19.381$.

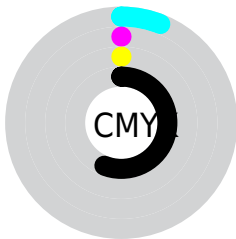
Distribution



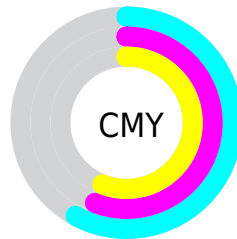
- Red (42%)
- Green (44%)
- Blue (44%)



- Red (42%)
- Yellow (43%)
- Blue (44%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)



- Cyan (58%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 2.800, 199.212 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 47, 2.800, 199.212 by changing the saturation by 10% instead.

■ 47, 2.800, 199.212 ■ 47, 2.800, 199.212

■ 100, 2.800,
199.212 ■ 37, 2.800, 199.212

■ 67, 2.800, 199.212 ■ 27, 2.800, 199.212

■ 77, 2.800, 199.212 ■ 17, 2.800, 199.212

■ 87, 2.800, 199.212 ■ 7, 2.800, 199.212

■ 97, 2.800, 199.212 ■ 0, 2.800, 199.212

■ 47, 2.800, 199.212 ■ 47, 2.800, 199.212

■ 46, 7.136, 198.614 ■ 48, 1.750, 19.381

■ 45, 11.193,
198.137 ■ 49, 6.459, 20.086

45, 14.905,
197.716

50, 11.277, 20.683

44, 18.207,
197.350

51, 16.163, 21.278

44, 21.041,
197.040

53, 21.084, 21.876

43, 23.361,
196.790

55, 30.927, 23.070

43, 25.142,
196.599

57, 35.814, 23.660

43, 26.386,
196.466

58, 40.662, 24.241

43, 27.189,
196.379

Harmonies

Complementary

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



47, 2.800, 199.212



45, 2.906, 19.620

Rectangle

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



47, 2.800, 199.212



47, 2.800, 249.212



47, 2.800, 19.212



47, 2.800, 69.212

Sweetspot

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



47, 2.801, 199.189



61, 1.136, 199.664



47, 5.033, 143.704



31, 0.642, 199.706



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



47, 2.801, 199.189



60, 3.936, 199.121



46, 2.458, 254.423



23, 2.017, 199.121



45, 28.679, 196.348



89, 48.981, 196.346

Inverse Universe

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



45, 2.906, 19.620



58, 4.107, 19.699



46, 2.489, 72.792



22, 2.105, 19.699



24, 57.994, 37.780



52, 102.179, 39.993

Previews

White Background



This preview shows how the CIELCh color 47, 2.800, 199.212 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 47, 2.800, 199.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

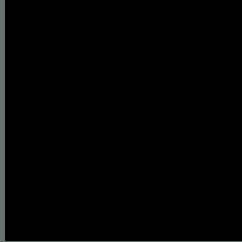
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

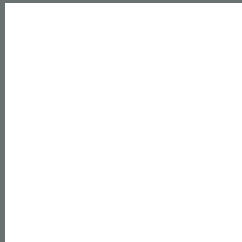
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 2.800, 199.212

Background



This preview shows how black text looks on a background with the CIELCh color 47, 2.800, 199.212.



This preview shows how white text looks on a background with the CIELCh color 47, 2.800, 199.212.

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


47, 2.800, 199.212

Protanopia

47, 1.016, 343.524

Deuteranopia

47, 6.411, 346.623



Tritanopia
47, 5.632, 270.682

Trichromacy



Original Color

47, 2.800, 199.212

Protanomaly

47, 0.808, 199.758

Deuteranomaly

47, 3.138, 330.717

Tritanomaly

47, 4.027, 261.408

Monochromacy



Original Color

47, 2.800, 199.212

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 1.211, 199.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 2.800, 199.212 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(106, 113, 113)` looks like.

```
.text, #text, p{  
    color:rgb(106, 113, 113)  
}
```

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(106, 113, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 113, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 2.800, 199.212 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(106, 113, 113) }
```

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

```
.border{ border-color:rgb(106, 113, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 113, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 113, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 113, 113);  
box-shadow:4px 4px 4px 4px rgb(106, 113,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 2.800, 199.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 113, 113) }
```

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

```
.background{ background-color: rgb(106,  
113, 113) }
```

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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