Converting Colors

CIELCh(48, 27.098, 319.140)

Have a look what the booklet for CIELCh(48, 27.098, 319.140) contains.

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Color

CIELCh(48, 27.027, 319.435)

Conversions

Format	Color
Hex	876790
RGB	135, 103, 144
RGB Percent	53%, 40%, 56%
CMY	0.4715, 0.5969, 0.4362
CMYK	0.06, 0.29, 0.00, 0.44
HSL	287°, 17%, 48%
HSV	287°, 29%, 56%
XYZ	19.7986, 16.7945, 28.4901
YIQ	117.2420, 5.9110, 19.5350

Conversions Part 1

Conversions

Conversions Part 2

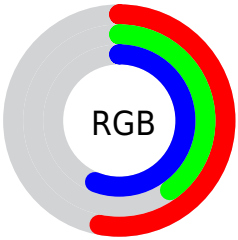
Format	Color
RYB	135, 103, 144
Decimal	8873872
CIELab	48.00, 20.53, -17.58
CIELCh	48, 27.027, 319.435
Yxy	16.7945, 0.3042, 0.2580
Android (android.graphics.Color)	4287063952 (0xFF876790)
YUV	117.2420, 13.1917, 15.5738
Hunter-Lab	40.9810, 14.5195, -12.5317

Details

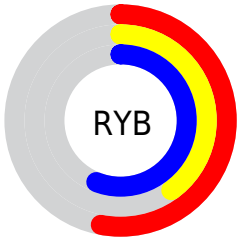
The CIELCh color 48, 27.027, 319.435 is a dark color, and the websafe version is hex 996699. A complement of this color would be 56, 26.645, 136.815, and the grayscale version is 49, 0.007, 296.813.

A 20% lighter version of the original color is 68, 27.379, 319.649, and 28, 27.702, 319.544 is the 20% darker color. If you saturate the color by 10%, you get 44, 36.542, 319.848, and if you desaturate by 10%, it is 52, 17.452, 319.002.

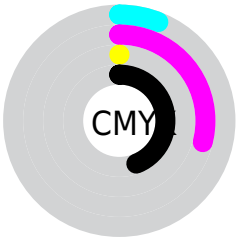
Distribution



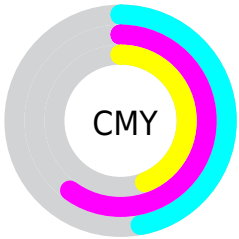
- Red (53%)
- Green (40%)
- Blue (56%)



- Red (53%)
- Yellow (40%)
- Blue (56%)



- Cyan (6%)
- Magenta (29%)
- Yellow (0%)
- Black (44%)



- Cyan (47%)
- Magenta (60%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 27.027, 319.435 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, 27.027, 319.435 by changing the saturation by 10% instead.

48, 27.027, 319.435

48, 27.027, 319.435

100, 27.027, 319.435

38, 27.027, 319.435

68, 27.027, 319.435

28, 27.027, 319.435

78, 27.027, 319.435

18, 27.027, 319.435

88, 27.027, 319.435

8, 27.027, 319.435

0, 27.027, 319.435

98, 27.027, 319.435

48, 27.027,

48, 27.027,

319.435

44, 36.542, 319.848

40, 45.799, 320.220

37, 54.509, 320.520

34, 62.302, 320.709

32, 68.754, 320.743

30, 73.472, 320.576

28, 76.576, 320.224

28, 77.029, 320.174

319.435

52, 17.452, 319.002

56, 7.958, 318.562

60, 1.372, 138.280

65, 10.488, 137.780

69, 19.363, 137.397

73, 27.989, 137.045

77, 36.363, 136.722

82, 44.491, 136.426

86, 52.382, 136.156

Harmonies

Complementary

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

48, 27.027, 319.435

56, 26.645, 136.815

Rectangle

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

48, 27.027, 319.435

48, 27.027, 9.435

48, 27.027, 139.435

48, 27.027, 189.435

Sweetspot

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

48, 27.025, 319.435

71, 10.399, 318.592

48, 18.754, 282.264

37, 7.292, 318.651

88, 0.010, 296.813

40, 0.006, 296.813

Same Dimension

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

48, 27.025, 319.435

58, 39.843, 319.694

49, 23.805, 334.880

28, 5.255, 318.592

26, 73.631, 320.216

0, 3.521, 318.221

Inverse Universe

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

48, 17.938, 4.800

58, 26.716, 5.688

56, 23.617, 150.820

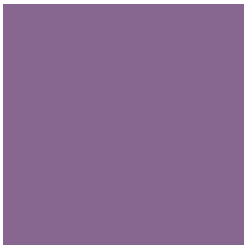
28, 3.382, 2.540

27, 56.559, 26.364

0, 2.235, 1.768

Previews

White Background

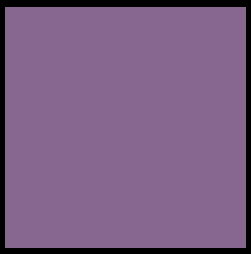


This preview shows how the CIELCh color 48, 27.027, 319.435 looks on a white background.

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



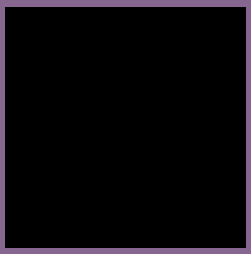
This preview shows how the CIELCh color 48, 27.027, 319.435 looks on a black background.

Color Contrast Check

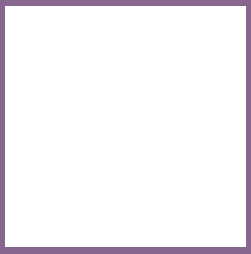
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 48, 27.027, 319.435 Background



This preview shows how black text looks on a background with the CIELCh color 48, 27.027, 319.435.

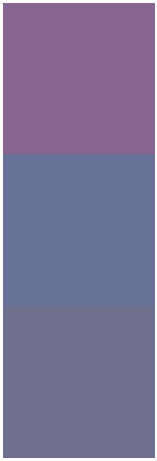


This preview shows how white text looks on a background with the CIELCh color 48, 27.027, 319.435.

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, 27.027, 319.435

Protanopia
48, 22.506, 285.190

Deuteranopia
48, 17.697, 291.331

Tritanopia
48, 10.562, 354.362

Trichromacy

Original Color
48, 27.027, 319.435

Protanomaly
48, 23.200, 298.470

Deuteranomaly
48, 20.560, 304.120

Tritanomaly
48, 15.707, 332.849

Monochromacy

Original Color
48, 27.027, 319.435

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 9.882, 317.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 27.027, 319.435 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(135, 103, 144) looks like.

```
.text, #text, p{
    color:rgb(135, 103, 144)
}
```

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(135, 103, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 103, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 27.027, 319.435 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(135, 103, 144) }
```

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

```
.border{ border-color:rgb(135, 103, 144) }
```

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

Here you see how a box with a 4 pixel rgb(135, 103, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 103, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 103, 144); box-shadow:4px 4px 4px 4px rgb(135, 103, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 27.027, 319.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(135, 103, 144) }
```

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

```
.background{ background-color:rgb(135,
103, 144) }
```

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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