Converting Colors

CIELCh(50, 30.463, 329.045)

Have a look what the booklet for CIELCh(50, 30.463, 329.045) contains.

Color

CIELCh(50, 30.873, 329.209)

Conversions

Conversions Part 1

Format	Color
Hex	976792
RGB	151, 103, 146
RGB Percent	59%, 40%, 57%
CMY	0.4070, 0.5953, 0.4267
CMYK	0.00, 0.32, 0.03, 0.41
HSL	306°, 19%, 50%
HSV	306°, 32%, 59%
XYZ	22.8731, 18.4187, 29.6249
YIQ	122.2540, 14.8050, 23.5490

Conversions

Conversions Part 2

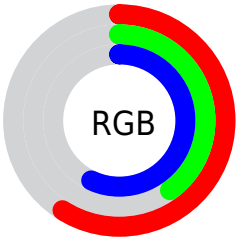
Format	Color
RYB	151, 103, 146
Decimal	9922450
CIELab	50.00, 26.52, -15.80
CIELCh	50, 30.873, 329.209
Yxy	18.4187, 0.3225, 0.2597
Android (android.graphics.Color)	4288112530 (0xFF976792)
YUV	122.2540, 11.7068, 25.2102
Hunter-Lab	42.9170, 20.0292, -10.8851

Details

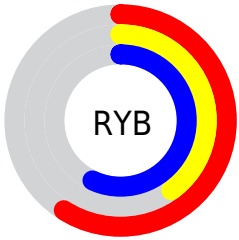
The CIELCh color 50, 30.873, 329.209 is a dark color, and the websafe version is hex 996699. A complement of this color would be 58, 30.843, 145.139, and the grayscale version is 51, 0.007, 296.813.

A 20% lighter version of the original color is 70, 30.736, 329.265, and 30, 30.508, 329.393 is the 20% darker color. If you saturate the color by 10%, you get 46, 40.249, 329.784, and if you desaturate by 10%, it is 54, 21.182, 328.628.

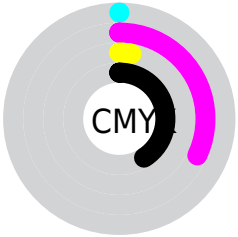
Distribution



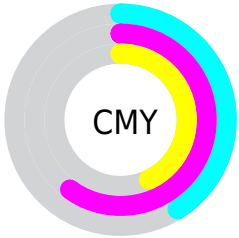
- Red (59%)
- Green (40%)
- Blue (57%)



- Red (59%)
- Yellow (40%)
- Blue (57%)



- Cyan (0%)
- Magenta (32%)
- Yellow (3%)
- Black (41%)



- Cyan (41%)
- Magenta (60%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 30.873, 329.209 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 50, 30.873, 329.209 by changing the saturation by 10% instead.

50, 30.873, 329.209

50, 30.873, 329.209

100, 30.873, 329.209

40, 30.873, 329.209

70, 30.873, 329.209

30, 30.873, 329.209

80, 30.873, 329.209

20, 30.873, 329.209

90, 30.873, 329.209

10, 30.873, 329.209

0, 30.873, 329.209

50, 30.873, 329.209

50, 30.873, 329.209

46, 40.249, 329.784

43, 49.020, 330.346

40, 56.823, 330.888

38, 63.266, 331.407

36, 68.005, 331.905

35, 70.844, 332.392

35, 72.196, 332.791

54, 21.182, 328.628

58, 11.405, 328.044

62, 1.693, 327.364

66, 7.853, 146.980

70, 17.171, 146.435

75, 26.231, 145.924

79, 35.019, 145.440

83, 43.533, 144.982

88, 51.783, 144.550

Harmonies

Complementary

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

50, 30.873, 329.209

58, 30.843, 145.139

Rectangle

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

50, 30.873, 329.209

50, 30.873, 19.209

50, 30.873, 149.209

50, 30.873, 199.209

Sweetspot

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

50, 30.871, 329.209

74, 11.998, 327.953

46, 28.685, 297.277

39, 8.257, 328.029

90, 0.011, 296.813

42, 0.006, 296.813

Same Dimension

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

50, 30.871, 329.209

61, 45.481, 329.613

49, 22.435, 352.641

30, 5.530, 327.895

32, 68.377, 332.757

1, 5.899, 327.729

Inverse Universe

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

50, 30.871, 329.209

61, 45.481, 329.613

59, 21.103, 166.378

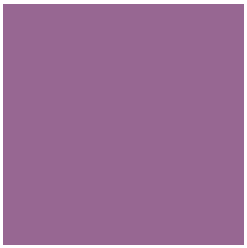
30, 5.530, 327.895

32, 68.377, 332.757

1, 5.899, 327.729

Previews

White Background

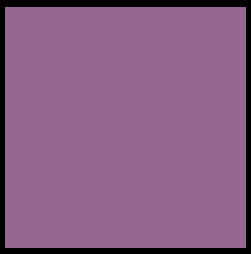


This preview shows how the CIELCh color 50, 30.873, 329.209 looks on a white background.

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



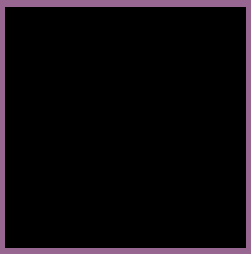
This preview shows how the CIELCh color 50, 30.873, 329.209 looks on a black background.

Color Contrast Check

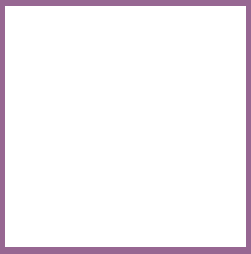
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

CIELCh 50, 30.873, 329.209 Background



This preview shows how black text looks on a background with the CIELCh color 50, 30.873, 329.209.

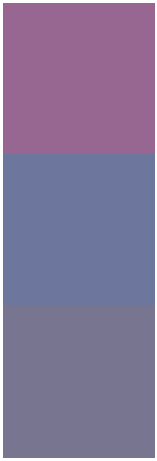


This preview shows how white text looks on a background with the CIELCh color 50, 30.873, 329.209.

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



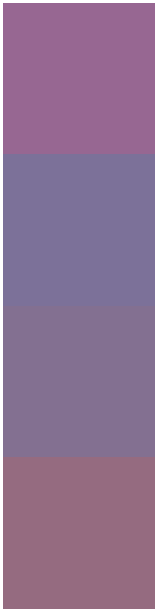
Original Color
50, 30.873, 329.209

Protanopia
50, 22.915, 285.335

Deuteranopia
50, 15.841, 294.857

Tritanopia
50, 16.436, 5.129

Trichromacy



Original Color
50, 30.873, 329.209

Protanomaly
50, 23.868, 302.629

Deuteranomaly
50, 20.694, 312.642

Tritanomaly
50, 20.769, 346.165

Monochromacy

Original Color
50, 30.873, 329.209

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 11.779, 328.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 30.873, 329.209 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(151, 103, 146) looks like.

```
.text, #text, p{
    color:rgb(151, 103, 146)
}
```

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(151, 103, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 103, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 30.873, 329.209 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(151, 103, 146) }
```

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

```
.border{ border-color:rgb(151, 103, 146) }
```

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

Here you see how a box with a 4 pixel rgb(151, 103, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 103, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 103, 146); box-shadow:4px 4px 4px 4px rgb(151, 103, 146) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 30.873, 329.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(151, 103, 146) }
```

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

```
.background{ background-color:rgb(151,
103, 146) }
```

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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