

Converting Colors

CIELCh(48, 23.989, 325.746)

Have a look what the booklet for
CIELCh(48, 23.989, 325.746)
contains.

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Color

CIELCh(48, 23.934, 325.744)

Conversions

Conversions Part 1

Format	Color
Hex	896789
RGB	137, 103, 137
RGB Percent	54%, 40%, 54%
CMY	0.4631, 0.5964, 0.4631
CMYK	0.00, 0.25, 0.00, 0.46
HSL	300°, 14%, 47%
HSV	300°, 25%, 54%
XYZ	19.6488, 16.7945, 25.8352
YIQ	117.0420, 9.3500, 17.7820

Conversions

Conversions Part 2

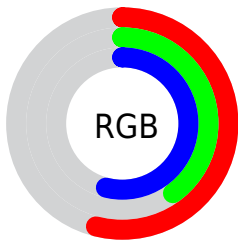
Format	Color
RYB	137, 103, 137
Decimal	9004937
CIELab	48.00, 19.78, -13.47
CIElCh	48, 23.934, 325.744
Yxy	16.7945, 0.3155, 0.2697
Android (android.graphics.Color)	4287195017 (0xFF896789)
YUV	117.0420, 9.8393, 17.5032
Hunter-Lab	40.9810, 13.8671, -8.6908

Details

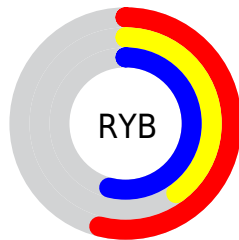
The CIELCh color $48, 23.934, 325.744$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $54, 23.922, 142.850$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 24.053, 326.225$, and $28, 24.316, 326.260$ is the 20% darker color. If you saturate the color by 10%, you get $45, 33.441, 326.255$, and if you desaturate by 10%, it is $52, 14.270, 325.213$.

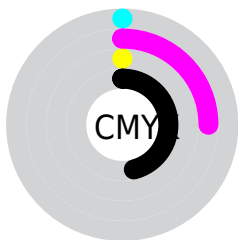
Distribution



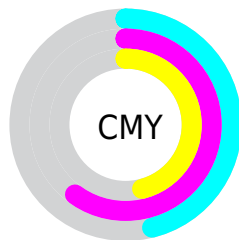
- Red (54%)
- Green (40%)
- Blue (54%)



- Red (54%)
- Yellow (40%)
- Blue (54%)



- Cyan (0%)
- Magenta (25%)
- Yellow (0%)
- Black (46%)



- Cyan (46%)
- Magenta (60%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 23.934, 325.744 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, 23.934, 325.744 by changing the saturation by 10% instead.

 48, 23.934,
325.744


 48, 23.934,
325.744

 100, 23.934,
325.744

 38, 23.934,
325.744

 68, 23.934,
325.744

 28, 23.934,
325.744

 78, 23.934,
325.744

 18, 23.934,
325.744

 88, 23.934,
325.744

 8, 23.934, 325.744

 98, 23.934,
325.744

 0, 23.934, 325.744

 48, 23.934,

 48, 23.934,

325.744

45, 33.441,
326.255

42, 42.564,
326.735

39, 51.006,
327.169

36, 58.425,
327.540

35, 64.480,
327.837

33, 68.902,
328.049

32, 71.626,
328.178

32, 72.780,
328.232

325.744

52, 14.270,
325.213

55, 4.625, 324.655

59, 4.890, 144.213

63, 14.200,
143.675

67, 23.262,
143.177

71, 32.054,
142.705

75, 40.571,
142.258

79, 48.815,
141.838

 83, 56.795,
141.444

Harmonies

Complementary

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



48, 23.934, 325.744



54, 23.922, 142.850

Rectangle

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



48, 23.934, 325.744



48, 23.934, 15.744



48, 23.934, 145.744



48, 23.934, 195.744

Sweetspot

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



48, 23.932, 325.744



69, 8.333, 324.792



45, 19.980, 292.346



36, 5.395, 324.818



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



48, 23.932, 325.744



59, 35.856, 326.045



47, 17.216, 344.874



27, 5.441, 324.904



31, 71.116, 328.232



0, 2.512, 324.439

Inverse Universe

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



47, 14.631, 21.231



58, 22.427, 21.867



54, 16.749, 160.641



27, 3.148, 19.884



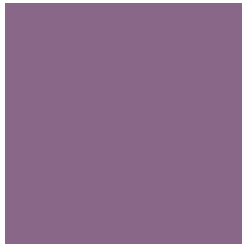
27, 63.129, 38.658



0, 1.414, 19.405

Previews

White Background



This preview shows how the CIELCh color 48, 23.934, 325.744 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, 23.934, 325.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

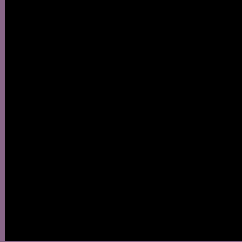
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 23.934, 325.744

Background



This preview shows how black text looks on a background with the CIELCh color 48, 23.934, 325.744.



This preview shows how white text looks on a background with the CIELCh color 48, 23.934, 325.744.

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, 23.934, 325.744

Protanopia

48, 18.341, 285.878

Deuteranopia

48, 14.289, 298.088



Tritanopia
48, 12.101, 358.176

Trichromacy



Original Color
48, 23.934, 325.744

Protanomaly
48, 19.272, 302.567

Deuteranomaly
48, 17.579, 311.201

Tritanomaly
48, 15.380, 340.933

Monochromacy



Original Color
48, 23.934, 325.744

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 8.565, 324.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 23.934, 325.744 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(137, 103, 137)` looks like.

```
.text, #text, p{  
    color:rgb(137, 103, 137)  
}
```

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(137, 103, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 103, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 23.934, 325.744 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(137, 103, 137) }
```

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

```
.border{ border-color:rgb(137, 103, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 103, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 103, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 103, 137); box-shadow:4px 4px 4px 4px rgb(137, 103, 137) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 23.934, 325.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 103, 137) }
```

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

```
.background{ background-color: rgb(137,  
103, 137) }
```

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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