

# Converting Colors

CIELCh(48, 25.369, 335.016)

Have a look what the booklet for  
CIELCh(48, 25.369, 335.016)  
contains.

<b>CIELCh(48, 25.434, 335.279)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(48, 25.434, 335.279)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	906484
RGB	144, 100, 132
RGB Percent	56%, 39%, 52%
CMY	0.4342, 0.6068, 0.4813
CMYK	0.00, 0.31, 0.08, 0.43
HSL	316°, 18%, 48%
HSV	316°, 31%, 57%
XYZ	20.3184, 16.7945, 24.1004
YIQ	116.8040, 15.9520, 19.2800

# Conversions

## Conversions Part 2

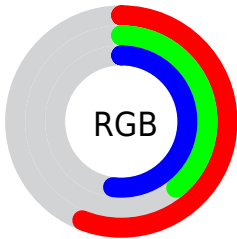
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 100, 132
Decimal	9462916
CIE <sub>Lab</sub>	48.00, 23.10, -10.64
CIE <sub>LCh</sub>	48, 25.434, 335.279
Yxy	16.7945, 0.3319, 0.2744
Android (android.graphics.Color)	4287652996 (0xFF906484)
YUV	116.8040, 7.4916, 23.8509
Hunter-Lab	40.9810, 16.7836, -6.1810

# Details

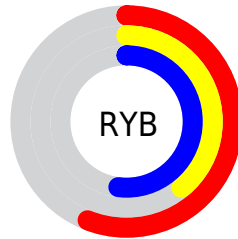
The CIELCh color  $48, 25.434, 335.279$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $56, 25.215, 150.861$ , and the grayscale version is  $49, 0.007, 296.813$ .

A 20% lighter version of the original color is  $68, 25.552, 334.981$ , and  $28, 25.931, 334.951$  is the 20% darker color. If you saturate the color by 10%, you get  $44, 33.575, 336.046$ , and if you desaturate by 10%, it is  $52, 17.081, 334.555$ .

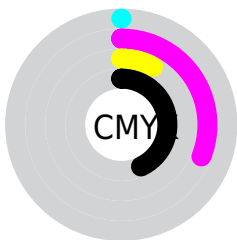
# Distribution



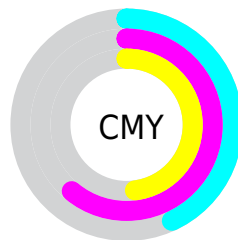
- Red (56%)
- Green (39%)
- Blue (52%)



- Red (56%)
- Yellow (39%)
- Blue (52%)



- Cyan (0%)
- Magenta (31%)
- Yellow (8%)
- Black (43%)




- Cyan (43%)
- Magenta (61%)
- Yellow (48%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 25.434, 335.279 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, 25.434, 335.279 by changing the saturation by 10% instead.





 48, 25.434,  
335.279


 48, 25.434,  
335.279


 100, 25.434,  
335.279


 38, 25.434,  
335.279

 68, 25.434,  
335.279


 28, 25.434,  
335.279

 78, 25.434,  
335.279

 18, 25.434,  
335.279

 88, 25.434,  
335.279

 8, 25.434, 335.279

 98, 25.434,  
335.279

 0, 25.434, 335.279

 48, 25.434,

 48, 25.434,

335.279

44, 33.575,  
336.046

41, 41.256,  
336.864

38, 48.152,  
337.751

36, 53.888,  
338.734

34, 58.106,  
339.852

33, 60.564,  
341.160

32, 61.704,  
342.557

335.279

52, 17.081,  
334.555

56, 8.704, 333.859

60, 0.421, 332.627

64, 7.694, 152.666

68, 15.598,  
152.070

72, 23.272,  
151.518

76, 30.712,  
150.998

81, 37.920,  
150.509

85, 44.908,



# Harmonies

# Complementary

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



48, 25.434, 335.279



56, 25.215, 150.861

# Rectangle

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



48, 25.434, 335.279



48, 25.434, 25.279



48, 25.434, 155.279



48, 25.434, 205.279

# Sweetspot

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



48, 25.432, 335.280



72, 9.273, 333.768



45, 26.721, 302.691



37, 6.429, 333.860



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, 25.432, 335.280



59, 38.263, 335.833



47, 19.395, 4.053



28, 4.634, 333.767



30, 58.902, 342.447



1, 3.108, 333.207



# Inverse Universe

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



48, 25.432, 335.280



59, 38.263, 335.833



57, 17.360, 177.910



28, 4.634, 333.767



30, 58.902, 342.447

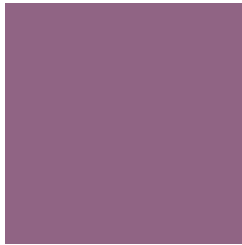


1, 3.108, 333.207



# Previews

## White Background



This preview shows how the CIELCh color 48, 25.434, 335.279 looks on a white background.

## Color Contrast Check

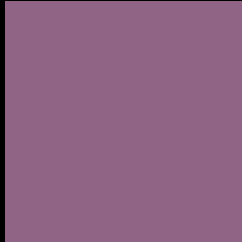
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.434, 335.279 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, 25.434, 335.279

## Background



This preview shows how black text looks on a background with the CIELCh color 48, 25.434, 335.279.



This preview shows how white text looks on a background with the CIELCh color 48, 25.434, 335.279.

# 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, 25.434, 335.279


### Protanopia

48, 16.562, 286.083

### Deuteranopia

48, 11.584, 305.109





**Tritanopia**  
48, 16.569, 5.237

# Trichromacy



**Original Color**  
48, 25.434, 335.279

**Protanomaly**  
48, 18.479, 307.783

**Deuteranomaly**  
48, 16.418, 321.830

**Tritanomaly**  
48, 18.824, 352.160

# Monochromacy



**Original Color**  
48, 25.434, 335.279

**Achromatopsia**  
49, 0.007, 296.813

**Achromatomaly**  
49, 9.569, 333.106

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 25.434, 335.279 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(144, 100, 132)` looks like.

```
.text, #text, p{  
    color:rgb(144, 100, 132)  
}
```

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(144, 100, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 100, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 25.434, 335.279 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(144, 100, 132) }
```

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

```
.border{ border-color:rgb(144, 100, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 100, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 100, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 100, 132);  
box-shadow:4px 4px 4px 4px rgb(144, 100,  
132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 25.434, 335.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 100, 132) }
```

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

```
.background{ background-color: rgb(144,  
100, 132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor