

Converting Colors

CIELCh(50, 38.410, 325.001)

Have a look what the booklet for
CIELCh(50, 38.410, 325.001)
contains.

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Color

CIELCh(50, 38.434, 324.816)

Conversions

Conversions Part 1

Format	Color
Hex	9A649D
RGB	154, 100, 157
RGB Percent	60%, 39%, 62%
CMY	0.3961, 0.6078, 0.3843
CMYK	0.02, 0.36, 0.00, 0.38
HSL	297°, 23%, 50%
HSV	297°, 36%, 62%
XYZ	23.9694, 18.4187, 34.1902
YIQ	122.6440, 13.8870, 29.1750

Conversions

Conversions Part 2

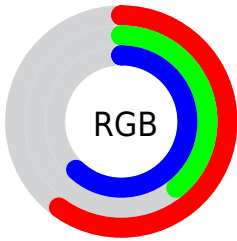
Format	Color
R_{YB}	154, 100, 157
Decimal	10118301
CIE _{Lab}	50.00, 31.41, -22.15
CIE _{LCh}	50, 38.434, 324.816
Yxy	18.4187, 0.3130, 0.2405
Android (android.graphics.Color)	4288308381 (0xFF9A649D)
YUV	122.6440, 16.9375, 27.4992
Hunter-Lab	42.9170, 24.5887, -17.1921




Details

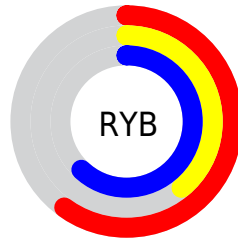
The CIELCh color $50, 38.434, 324.816$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $60, 38.332, 140.631$, and the grayscale version is $51, 0.007, 296.813$.




A 20% lighter version of the original color is $70, 38.410, 324.541$, and $30, 38.505, 325.296$ is the 20% darker color. If you saturate the color by 10%, you get $46, 48.490, 325.258$, and if you desaturate by 10%, it is $54, 27.943, 324.336$.

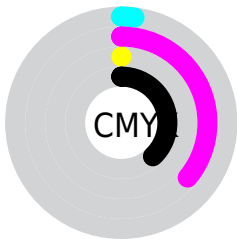
Distribution







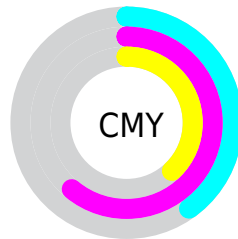
-  Red (60%)
-  Green (39%)
-  Blue (62%)






-  Red (60%)
-  Yellow (39%)
-  Blue (62%)



-  Cyan (2%)
-  Magenta (36%)
-  Yellow (0%)
-  Black (38%)





-  Cyan (40%)
-  Magenta (61%)
-  Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 38.434, 324.816 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, 38.434, 324.816 by changing the saturation by 10% instead.


 50, 38.434,
324.816


 50, 38.434,
324.816


 100, 38.434,
324.816


 40, 38.434,
324.816


 70, 38.434,
324.816

 30, 38.434,
324.816


 80, 38.434,
324.816


 20, 38.434,
324.816

 90, 38.434,
324.816

 10, 38.434,
324.816

 0, 38.434, 324.816

 50, 38.434,
324.816

 50, 38.434,
324.816

46, 48.490,
325.258

54, 27.943,
324.336

43, 57.778,
325.642

58, 17.284,
323.834

41, 65.895,
325.947

62, 6.645, 323.313

66, 3.848, 142.900

38, 72.438,
326.153

71, 14.117,
142.378

37, 77.093,
326.242

75, 24.115,
141.908

36, 79.826,
326.215

80, 33.821,
141.465

36, 80.658,
326.195

84, 43.228,
141.048

89, 52.339,
140.659

Harmonies

Complementary

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



50, 38.434, 324.816



60, 38.332, 140.631

Rectangle

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



50, 38.434, 324.816



50, 38.434, 14.816



50, 38.434, 144.816



50, 38.434, 194.816

Sweetspot

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



50, 38.432, 324.816



76, 14.397, 323.573



46, 31.663, 292.155



39, 9.658, 323.637



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



50, 38.432, 324.816



60, 57.154, 325.197



49, 29.109, 343.371



31, 6.006, 323.471



32, 75.252, 326.211



1, 7.782, 322.695

Inverse Universe

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



49, 24.743, 18.676



58, 38.027, 20.092



60, 28.265, 156.948



31, 3.539, 15.637



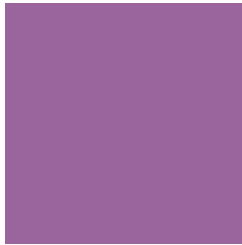
29, 65.314, 37.037



1, 4.489, 15.257

Previews

White Background



This preview shows how the CIELCh color 50, 38.434, 324.816 looks on a white 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

Black Background



This preview shows how the CIE LCh color 50, 38.434, 324.816 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, 38.434, 324.816

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.434, 324.816.



This preview shows how white text looks on a background with the CIELCh color 50, 38.434, 324.816.

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, 38.434, 324.816

Protanopia

50, 30.564, 284.946

Deuteranopia

50, 21.663, 289.225



Tritanopia
50, 17.795, 4.681

Trichromacy



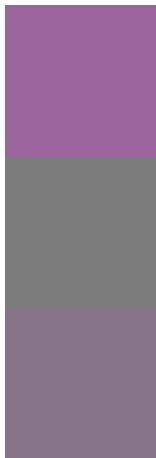
Original Color
50, 38.434, 324.816

Protanomaly
50, 31.984, 300.828

Deuteranomaly
50, 26.621, 306.592

Tritanomaly
50, 23.986, 341.726

Monochromacy



Original Color
50, 38.434, 324.816

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 13.882, 323.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.434, 324.816 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(154, 100, 157)` looks like.

```
.text, #text, p{  
    color:rgb(154, 100, 157)  
}
```

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(154, 100, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 100, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.434, 324.816 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(154, 100, 157) }
```

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

```
.border{ border-color:rgb(154, 100, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 100, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 100, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 100, 157); box-shadow:4px 4px 4px 4px rgb(154, 100, 157) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.434, 324.816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 100, 157) }
```

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

```
.background{ background-color: rgb(154,  
100, 157) }
```

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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