

# Converting Colors

CIELCh(42, 38.100, 355.095)

Have a look what the booklet for  
CIELCh(42, 38.100, 355.095)  
contains.

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**Color**

**CIELCh(42, 38.279, 354.917)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A486A
RGB	154, 72, 106
RGB Percent	60%, 28%, 42%
CMY	0.3968, 0.7183, 0.5850
CMYK	0.00, 0.53, 0.31, 0.40
HSL	335°, 36%, 44%
HSV	335°, 53%, 60%
XYZ	18.1881, 12.5000, 15.0426
YIQ	100.3940, 37.9580, 27.9580

# Conversions

## Conversions Part 2

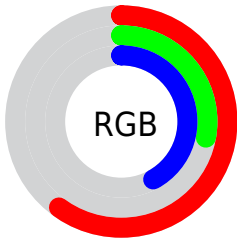
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 72, 106
Decimal	10111082
CIELab	42.00, 38.13, -3.39
CIElCh	42, 38.279, 354.917
Yxy	12.5000, 0.3977, 0.2733
Android (android.graphics.Color)	4288301162 (0xFF9A486A)
YUV	100.3940, 2.7638, 47.0125
Hunter-Lab	35.3553, 29.9551, -0.4774

# Details

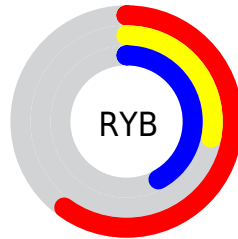
The CIELCh color **42, 38.279, 354.917** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **58, 34.964, 162.786**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 38.561, 355.068**, and **22, 38.509, 354.787** is the 20% darker color. If you saturate the color by 10%, you get **39, 44.583, 356.922**, and if you desaturate by 10%, it is **46, 31.332, 353.276**.

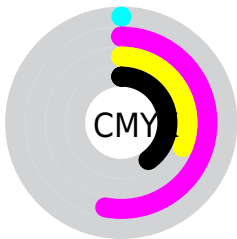
# Distribution



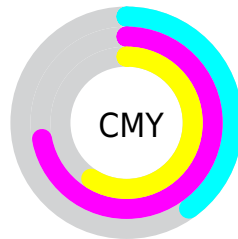
- Red (60%)
- Green (28%)
- Blue (42%)



- Red (60%)
- Yellow (28%)
- Blue (42%)



- Cyan (0%)
- Magenta (53%)
- Yellow (31%)
- Black (40%)




- Cyan (40%)
- Magenta (72%)
- Yellow (59%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 38.279, 354.917 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 42, 38.279, 354.917 by changing the saturation by 10% instead.





 42, 38.279,  
354.917


 42, 38.279,  
354.917


 100, 38.279,  
354.917


 32, 38.279,  
354.917

 62, 38.279,  
354.917


 22, 38.279,  
354.917

 72, 38.279,  
354.917

 12, 38.279,  
354.917

 82, 38.279,  
354.917

 2, 38.279, 354.917

 92, 38.279,  
354.917

 0, 38.279, 354.917

 42, 38.279,

 42, 38.279,

354.917

354.917

39, 44.583,  
356.922

46, 31.332,  
353.276

36, 49.898,  
359.418

49, 24.060,  
351.898

34, 53.922, 2.568

53, 16.701,  
350.715

33, 56.544, 6.530

58, 9.415, 349.671

32, 57.962, 9.441

62, 2.303, 348.642

67, 4.581, 168.059

71, 11.213,  
167.272

75, 17.589,  
166.585

80, 23.717,



# Harmonies

# Complementary

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



42, 38.279, 354.917



58, 34.964, 162.786

# Rectangle

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



42, 38.279, 354.917



42, 38.279, 44.917



42, 38.279, 174.917



42, 38.279, 224.917

# Sweetspot

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



42, 38.277, 354.918



72, 14.024, 349.973



39, 51.780, 314.267



36, 9.467, 350.165



90, 0.011, 296.813



42, 0.006, 296.813





# Same Dimension

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



42, 38.277, 354.918



50, 55.284, 357.362



43, 35.650, 30.942



30, 3.961, 349.269



29, 54.162, 8.991



1, 4.205, 348.935



# Inverse Universe

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



42, 38.277, 354.918



50, 55.284, 357.362



57, 23.804, 206.843



30, 3.961, 349.269



29, 54.162, 8.991

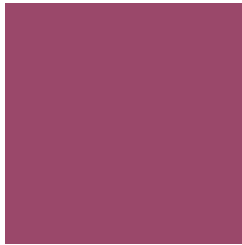


1, 4.205, 348.935



# Previews

## White Background



This preview shows how the CIELCh color 42, 38.279, 354.917 looks on a white background.

## Color Contrast Check

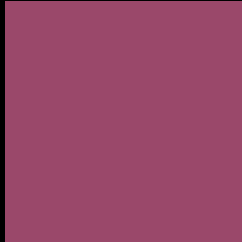
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 38.279, 354.917 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 42, 38.279, 354.917

## Background



This preview shows how black text looks on a background with the CIELCh color 42, 38.279, 354.917.



This preview shows how white text looks on a background with the CIELCh color 42, 38.279, 354.917.

# 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

42, 38.279, 354.917

### Protanopia

42, 14.559, 284.953

### Deuteranopia

42, 5.506, 346.964





**Tritanopia**  
42, 33.810, 19.898

# Trichromacy



**Original Color**  
42, 38.279, 354.917

**Protanomaly**  
41, 20.075, 324.670

**Deuteranomaly**  
42, 17.911, 351.965

**Tritanomaly**  
42, 34.778, 9.772

# Monochromacy



**Original Color**  
42, 38.279, 354.917

**Achromatopsia**  
42, 0.006, 296.813

**Achromatomaly**  
42, 14.524, 351.767

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 42, 38.279, 354.917 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, 72, 106)` looks like.

```
.text, #text, p{  
    color:rgb(154, 72, 106)  
}
```

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, 72, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 72, 106) }
```

## Border

The CSS property to change the border of an element to CIELCh 42, 38.279, 354.917 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, 72, 106) }
```

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

```
.border{ border-color:rgb(154, 72, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 72, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 72, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 72, 106);  
box-shadow:4px 4px 4px 4px rgb(154, 72,  
106) }
```

# Background

The CSS property to change the background color of an element to CIELCh 42, 38.279, 354.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 72, 106) }
```

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

```
.background{ background-color: rgb(154, 72,  
106) }
```

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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