

Converting Colors

CIELCh(42, 42.909, 350.653)

Have a look what the booklet for
CIELCh(42, 42.909, 350.653)
contains.

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Color

CIELCh(42, 42.909, 350.653)

Conversions

Conversions Part 1

Format	Color
Hex	9E4470
RGB	158, 68, 112
RGB Percent	62%, 27%, 44%
CMY	0.3816, 0.7345, 0.5619
CMYK	0.00, 0.57, 0.29, 0.38
HSL	331°, 40%, 44%
HSV	331°, 57%, 62%
XYZ	18.9972, 12.5000, 16.6588
YIQ	99.9260, 39.5160, 32.7640

Conversions

Conversions Part 2

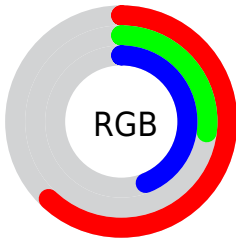
Format	Color
R_{YB}	158, 68, 112
Decimal	10372208
CIE _{Lab}	42.00, 42.34, -6.97
CIE _{LCh}	42, 42.909, 350.653
Yxy	12.5000, 0.3945, 0.2596
Android (android.graphics.Color)	4288562288 (0xFF9E4470)
YUV	99.9260, 5.9525, 50.9309
Hunter-Lab	35.3553, 34.0402, -3.1876

Details

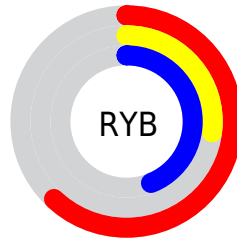
The CIELCh color $42, 42.909, 350.653$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $59, 40.424, 158.086$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 42.950, 350.455$, and $22, 42.788, 350.668$ is the 20% darker color. If you saturate the color by 10%, you get $39, 48.958, 352.521$, and if you desaturate by 10%, it is $45, 35.955, 349.113$.

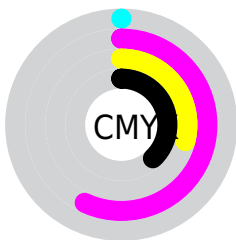
Distribution



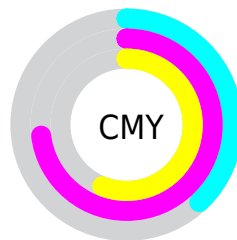
- Red (62%)
- Green (27%)
- Blue (44%)



- Red (62%)
- Yellow (27%)
- Blue (44%)



- Cyan (0%)
- Magenta (57%)
- Yellow (29%)
- Black (38%)





- Cyan (38%)
- Magenta (73%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 42.909, 350.653 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, 42.909, 350.653 by changing the saturation by 10% instead.


 42, 42.909,
350.653


 42, 42.909,
350.653


 100, 42.909,
350.653

 32, 42.909,
350.653

 62, 42.909,
350.653


 22, 42.909,
350.653

 72, 42.909,
350.653

 12, 42.909,
350.653

 82, 42.909,
350.653

 2, 42.909, 350.653

 92, 42.909,
350.653

 0, 42.909, 350.653

 42, 42.909,

 42, 42.909,

350.653

39, 48.958,
352.521

37, 53.731,
354.837

35, 56.942,
357.750

34, 58.666, 1.357

34, 59.131, 2.455

350.653

45, 35.955,
349.113

49, 28.465,
347.810

53, 20.732,
346.680

57, 12.965,
345.679

62, 5.303, 344.753

66, 2.172, 164.173

71, 9.415, 163.318

75, 16.409,
162.629

80, 23.152,

Harmonies

Complementary

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



42, 42.909, 350.653



59, 40.424, 158.086

Rectangle

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



42, 42.909, 350.653



42, 42.909, 40.653



42, 42.909, 170.653



42, 42.909, 220.653

Sweetspot

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



42, 42.906, 350.654



73, 15.942, 345.704



38, 56.217, 311.899



37, 10.657, 345.880



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



42, 42.906, 350.654



50, 60.700, 352.993



41, 41.874, 26.454



31, 4.269, 344.955



30, 55.029, 2.049



1, 5.429, 345.639

Inverse Universe

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



42, 42.906, 350.654



50, 60.700, 352.993



60, 27.667, 196.995



31, 4.269, 344.955



30, 55.029, 2.049



1, 5.429, 345.639

Previews

White Background



This preview shows how the CIELCh color 42, 42.909, 350.653 looks on a white background.

Color Contrast Check

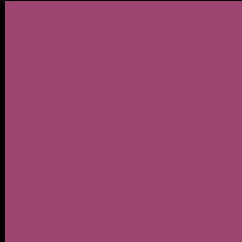
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 42, 42.909, 350.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

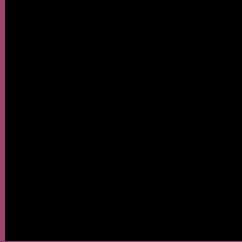
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 42.909, 350.653

Background



This preview shows how black text looks on a background with the CIELCh color 42, 42.909, 350.653.

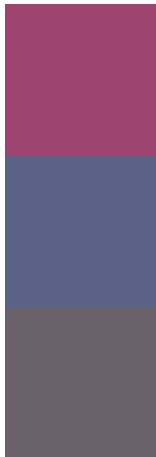


This preview shows how white text looks on a background with the CIELCh color 42, 42.909, 350.653.

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, 42.909, 350.653

Protanopia

42, 20.649, 284.323

Deuteranopia

42, 7.105, 322.120



Tritanopia
42, 36.152, 20.705

Trichromacy



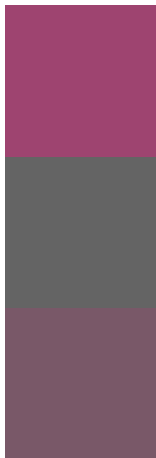
Original Color
42, 42.909, 350.653

Protanomaly
41, 24.744, 317.884

Deuteranomaly
41, 21.084, 341.603

Tritanomaly
42, 37.438, 7.920

Monochromacy



Original Color
42, 42.909, 350.653

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 16.778, 346.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 42.909, 350.653 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(158, 68, 112)` looks like.

```
.text, #text, p{  
    color:rgb(158, 68, 112)  
}
```

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(158, 68, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 68, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 42.909, 350.653 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(158, 68, 112) }
```

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

```
.border{ border-color:rgb(158, 68, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 68, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 68, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 68, 112);  
box-shadow:4px 4px 4px 4px rgb(158, 68,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 42.909, 350.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 68, 112) }
```

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

```
.background{ background-color: rgb(158, 68,  
112) }
```

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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