

Converting Colors

CIELCh(42, 51.257, 339.170)

Have a look what the booklet for
CIELCh(42, 51.257, 339.170)
contains.

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Color

CIELCh(42, 50.986, 339.200)

Conversions

Conversions Part 1

Format	Color
Hex	9F3F82
RGB	159, 63, 130
RGB Percent	62%, 25%, 51%
CMY	0.3771, 0.7535, 0.4908
CMYK	0.00, 0.60, 0.18, 0.38
HSL	318°, 43%, 43%
HSV	318°, 60%, 62%
XYZ	20.0541, 12.5000, 22.4223
YIQ	99.3420, 35.7090, 41.1890

Conversions

Conversions Part 2

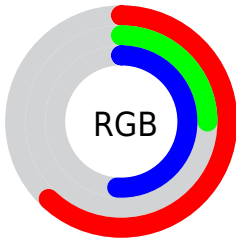
Format	Color
R_{YB}	159, 63, 130
Decimal	10436482
CIE _{Lab}	42.00, 47.66, -18.11
CIE _{LCh}	42, 50.986, 339.200
Yxy	12.5000, 0.3648, 0.2274
Android (android.graphics.Color)	4288626562 (0xFF9F3F82)
YUV	99.3420, 15.1144, 52.3201
Hunter-Lab	35.3553, 39.3761, -12.8529

Details

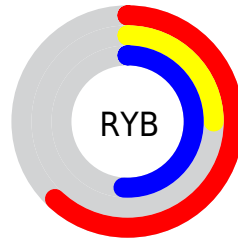
The CIELCh color $42, 50.986, 339.200$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $59, 51.008, 148.339$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 50.868, 339.259$, and $22, 50.491, 339.322$ is the 20% darker color. If you saturate the color by 10%, you get $39, 57.020, 340.301$, and if you desaturate by 10%, it is $45, 43.687, 338.226$.

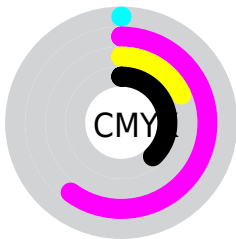
Distribution



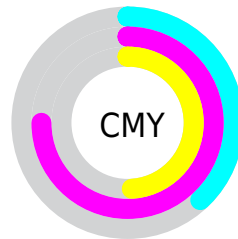
- Red (62%)
- Green (25%)
- Blue (51%)



- Red (62%)
- Yellow (25%)
- Blue (51%)



- Cyan (0%)
- Magenta (60%)
- Yellow (18%)
- Black (38%)





- Cyan (38%)
- Magenta (75%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 50.986, 339.200 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, 50.986, 339.200 by changing the saturation by 10% instead.


 42, 50.986,
339.200


 42, 50.986,
339.200


 100, 50.986,
339.200


 32, 50.986,
339.200

 62, 50.986,
339.200


 22, 50.986,
339.200

 72, 50.986,
339.200

 12, 50.986,
339.200

 82, 50.986,
339.200

 2, 50.986, 339.200

 92, 50.986,
339.200

 0, 50.986, 339.200

 42, 50.986,

 42, 50.986,

339.200

339.200

39, 57.020,
340.301

45, 43.687,
338.226

37, 61.405,
341.578

49, 35.539,
337.342

36, 63.880,
343.099

53, 26.897,
336.526

35, 64.860,
344.778

57, 18.038,
335.762

61, 9.155, 335.035

65, 0.381, 333.646

70, 8.208, 153.801

74, 16.567,
153.188

79, 24.676,

Harmonies

Complementary

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



42, 50.986, 339.200



59, 51.008, 148.339

Rectangle

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



42, 50.986, 339.200



42, 50.986, 29.200



42, 50.986, 159.200



42, 50.986, 209.200

Sweetspot

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



42, 50.984, 339.200



73, 19.664, 335.608



35, 59.722, 306.457



38, 13.789, 335.813



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



42, 50.984, 339.200



50, 71.671, 340.782



40, 42.617, 12.507



31, 4.940, 334.950



31, 60.103, 344.580



1, 6.254, 335.832

Inverse Universe

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



42, 50.984, 339.200



50, 71.671, 340.782



60, 32.922, 177.134



31, 4.940, 334.950



31, 60.103, 344.580



1, 6.254, 335.832

Previews

White Background



This preview shows how the CIELCh color 42, 50.986, 339.200 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, 50.986, 339.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

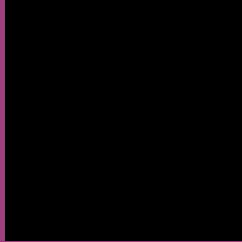
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 50.986, 339.200

Background



This preview shows how black text looks on a background with the CIELCh color 42, 50.986, 339.200.

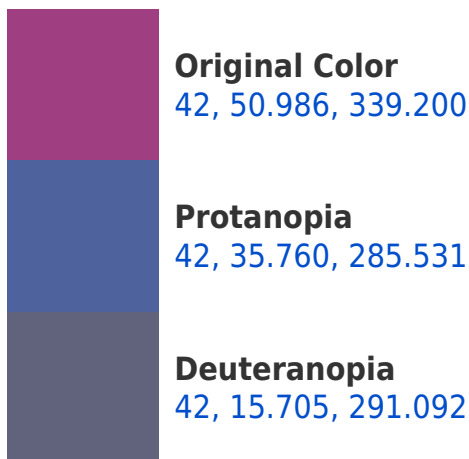


This preview shows how white text looks on a background with the CIELCh color 42, 50.986, 339.200.

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





Tritanopia
42, 35.710, 20.573

Trichromacy



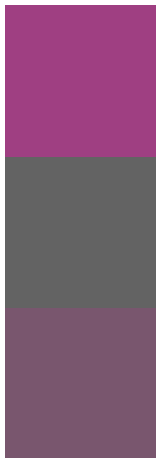
Original Color
42, 50.986, 339.200

Protanomaly
41, 38.476, 306.511

Deuteranomaly
41, 28.023, 321.086

Tritanomaly
42, 38.341, 2.086

Monochromacy



Original Color
42, 50.986, 339.200

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 20.296, 336.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 50.986, 339.200 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(159, 63, 130)` looks like.

```
.text, #text, p{  
    color:rgb(159, 63, 130)  
}
```

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(159, 63, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 63, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 50.986, 339.200 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(159, 63, 130) }
```

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

```
.border{ border-color:rgb(159, 63, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 63, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 63, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 63, 130);  
box-shadow:4px 4px 4px 4px rgb(159, 63,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 50.986, 339.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 63, 130) }
```

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

```
.background{ background-color: rgb(159, 63,  
130) }
```

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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