

Converting Colors

CIELCh(42, 50.384, 338.530)

Have a look what the booklet for
CIELCh(42, 50.384, 338.530)
contains.

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Color

CIELCh(42, 50.266, 338.900)

Conversions

Conversions Part 1

Format	Color
Hex	9E4082
RGB	158, 64, 130
RGB Percent	62%, 25%, 51%
CMY	0.3812, 0.7498, 0.4909
CMYK	0.00, 0.60, 0.18, 0.38
HSL	318°, 42%, 43%
HSV	318°, 60%, 62%
XYZ	19.8994, 12.5000, 22.4167
YIQ	99.6300, 34.8380, 40.4540

Conversions

Conversions Part 2

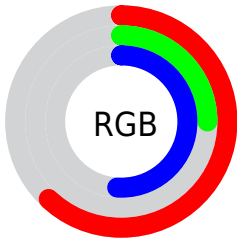
Format	Color
R _Y B	158, 64, 130
Decimal	10371202
CIE Lab	42.00, 46.90, -18.10
CIE LCh	42, 50.266, 338.900
Yxy	12.5000, 0.3630, 0.2280
Android (android.graphics.Color)	4288561282 (0xFF9E4082)
YUV	99.6300, 14.9724, 51.1905
Hunter-Lab	35.3553, 38.5953, -12.8435

Details

The CIELCh color $42, 50.266, 338.900$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $58, 50.266, 148.312$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 50.064, 339.022$, and $22, 50.233, 339.360$ is the 20% darker color. If you saturate the color by 10%, you get $39, 56.412, 339.972$, and if you desaturate by 10%, it is $45, 42.896, 337.947$.

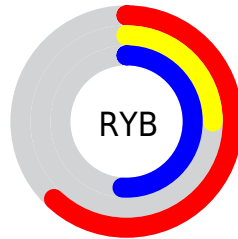
Distribution



Red (62%)

Green (25%)

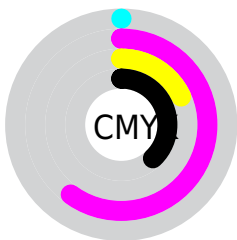
Blue (51%)



Red (62%)

Yellow (25%)

Blue (51%)

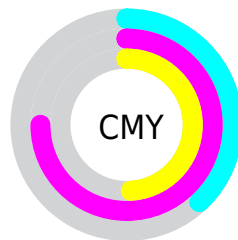


Cyan (0%)

Magenta (60%)

Yellow (18%)

Black (38%)



Cyan (38%)


Magenta (75%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 50.266, 338.900 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, 50.266, 338.900 by changing the saturation by 10% instead.


 42, 50.266,
338.900


 42, 50.266,
338.900


 100, 50.266,
338.900


 32, 50.266,
338.900

 62, 50.266,
338.900


 22, 50.266,
338.900

 72, 50.266,
338.900

 12, 50.266,
338.900

 82, 50.266,
338.900

 2, 50.266, 338.900

 92, 50.266,
338.900

 0, 50.266, 338.900

 42, 50.266,

 42, 50.266,

338.900

338.900

39, 56.412,
339.972

45, 42.896,
337.947

37, 60.947,
341.209

49, 34.715,
337.079

36, 63.596,
342.677

53, 26.068,
336.274

35, 64.683,
344.384

57, 17.222,
335.520

35, 64.727,
344.459

61, 8.367, 334.799

65, 0.374, 154.928

70, 8.924, 153.576

74, 17.244,
152.971

79, 25.315,

Harmonies

Complementary

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



42, 50.266, 338.900



58, 50.266, 148.312

Rectangle

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



42, 50.266, 338.900



42, 50.266, 28.900



42, 50.266, 158.900



42, 50.266, 208.900

Sweetspot

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



42, 50.264, 338.900



73, 19.524, 335.431



35, 58.515, 305.932



37, 13.551, 335.630



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, 50.264, 338.900



50, 69.990, 340.296



40, 41.753, 10.979



31, 4.955, 334.776



31, 60.264, 344.277



1, 6.273, 335.655

Inverse Universe

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



42, 50.264, 338.900



50, 69.990, 340.296



59, 32.856, 175.843



31, 4.955, 334.776



31, 60.264, 344.277



1, 6.273, 335.655

Previews

White Background



This preview shows how the CIELCh color 42, 50.266, 338.900 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, 50.266, 338.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

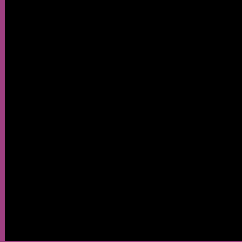
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 50.266, 338.900

Background



This preview shows how black text looks on a background with the CIELCh color 42, 50.266, 338.900.

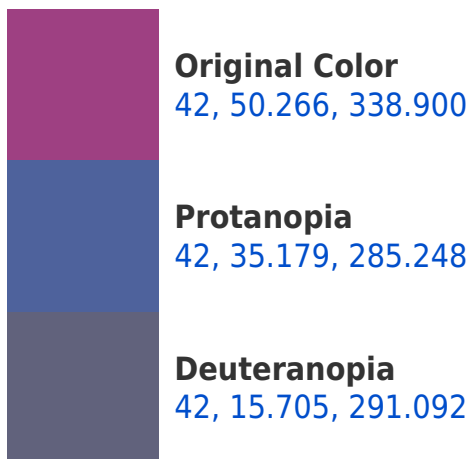


This preview shows how white text looks on a background with the CIELCh color 42, 50.266, 338.900.

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, 34.760, 20.238

Trichromacy



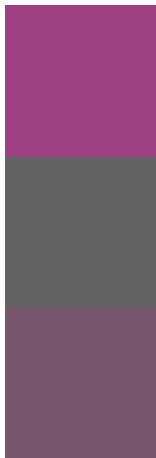
Original Color
42, 50.266, 338.900

Protanomaly
41, 37.213, 306.274

Deuteranomaly
41, 27.312, 320.923

Tritanomaly
42, 37.576, 1.319

Monochromacy



Original Color
42, 50.266, 338.900

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 20.021, 335.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 50.266, 338.900 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, 64, 130)` looks like.

```
.text, #text, p{  
    color:rgb(158, 64, 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(158, 64, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 64, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 50.266, 338.900 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, 64, 130) }
```

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

```
.border{ border-color:rgb(158, 64, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 64, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 64, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 64, 130); box-shadow:4px 4px 4px 4px rgb(158, 64, 130) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 50.266, 338.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 64, 130) }
```

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

```
.background{ background-color: rgb(158, 64,  
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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