

Converting Colors

CIELCh(42, 36.203, 336.493)

Have a look what the booklet for
CIELCh(42, 36.203, 336.493)
contains.

CIELCh(42, 35.862, 336.939)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 35.862, 336.939)

Conversions

Conversions Part 1

Format	Color
Hex	8D4E7B
RGB	141, 78, 123
RGB Percent	55%, 31%, 48%
CMY	0.4477, 0.6947, 0.5183
CMYK	0.00, 0.45, 0.13, 0.45
HSL	317°, 29%, 43%
HSV	317°, 45%, 55%
XYZ	17.2334, 12.5000, 20.1896
YIQ	101.9670, 23.1030, 27.3510

Conversions

Conversions Part 2

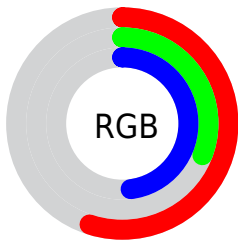
Format	Color
R_{YB}	141, 78, 123
Decimal	9260667
CIE _{Lab}	42.00, 33.00, -14.05
CIE _{LCh}	42, 35.862, 336.939
Yxy	12.5000, 0.3452, 0.2504
Android (android.graphics.Color)	4287450747 (0xFF8D4E7B)
YUV	101.9670, 10.3693, 34.2319
Hunter-Lab	35.3553, 25.1350, -9.1087

Details

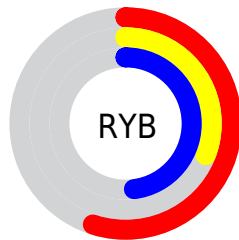
The CIELCh color $[42, 35.862, 336.939]$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $[53, 35.543, 149.852]$, and the grayscale version is $[43, 0.006, 296.813]$.

A 20% lighter version of the original color is $[62, 35.893, 336.716]$, and $[22, 35.604, 337.096]$ is the 20% darker color. If you saturate the color by 10%, you get $[39, 43.062, 337.809]$, and if you desaturate by 10%, it is $[45, 28.091, 336.135]$.

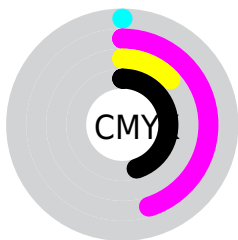
Distribution



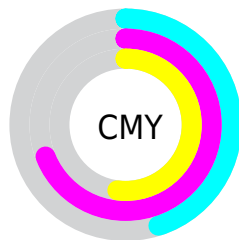
- Red (55%)
- Green (31%)
- Blue (48%)



- Red (55%)
- Yellow (31%)
- Blue (48%)



- Cyan (0%)
- Magenta (45%)
- Yellow (13%)
- Black (45%)





- Cyan (45%)
- Magenta (69%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 35.862, 336.939 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, 35.862, 336.939 by changing the saturation by 10% instead.


 42, 35.862,
336.939


 42, 35.862,
336.939


 100, 35.862,
336.939


 32, 35.862,
336.939

 62, 35.862,
336.939


 22, 35.862,
336.939

 72, 35.862,
336.939

 12, 35.862,
336.939

 82, 35.862,
336.939

 2, 35.862, 336.939

 92, 35.862,
336.939

 0, 35.862, 336.939

 42, 35.862,

 42, 35.862,

336.939

336.939

■ 39, 43.062,
337.809

■ 45, 28.091,
336.135

■ 36, 49.356,
338.766

■ 49, 20.031,
335.380

■ 34, 54.375,
339.846

■ 53, 11.882,
334.664

■ 32, 57.800,
341.098

■ 57, 3.785, 333.950

■ 31, 59.504,
342.580

■ 61, 4.172, 153.449

■ 31, 60.137,
343.400

■ 65, 11.937,
152.812

■ 69, 19.483,
152.239

■ 73, 26.802,
151.703

■ 77, 33.894,
151.199

Harmonies

Complementary

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



42, 35.862, 336.939



53, 35.543, 149.852

Rectangle

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



42, 35.862, 336.939



42, 35.862, 26.939



42, 35.862, 156.939



42, 35.862, 206.939

Sweetspot

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



42, 35.860, 336.939



68, 13.016, 334.563



38, 39.333, 304.478



35, 9.086, 334.702



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 35.860, 336.939



51, 52.703, 337.849



41, 28.369, 7.573



28, 4.592, 334.277



29, 58.407, 343.325



1, 3.079, 333.711

Inverse Universe

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



42, 35.860, 336.939



51, 52.703, 337.849



54, 23.779, 177.689



28, 4.592, 334.277



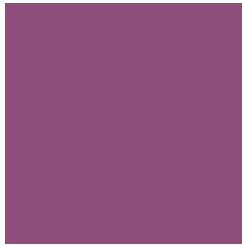
29, 58.407, 343.325



1, 3.079, 333.711

Previews

White Background



This preview shows how the CIELCh color 42, 35.862, 336.939 looks on a white background.

Color Contrast Check

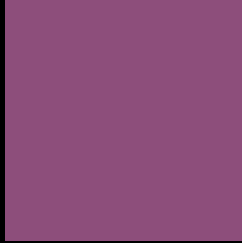
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.862, 336.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

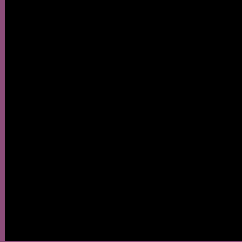
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 35.862, 336.939

Background



This preview shows how black text looks on a background with the CIELCh color 42, 35.862, 336.939.



This preview shows how white text looks on a background with the CIELCh color 42, 35.862, 336.939.

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, 23.606, 12.920

Trichromacy



Original Color
42, 35.862, 336.939

Protanomaly
42, 25.638, 306.867

Deuteranomaly
42, 20.503, 319.866

Tritanomaly
42, 26.407, 355.458

Monochromacy



Original Color
42, 35.862, 336.939

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 13.923, 334.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 35.862, 336.939 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(141, 78, 123)` looks like.

```
.text, #text, p{  
    color:rgb(141, 78, 123)  
}
```

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(141, 78, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 78, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 35.862, 336.939 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(141, 78, 123) }
```

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

```
.border{ border-color:rgb(141, 78, 123) }
```

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

Here you see how a box with a 4 pixel rgb(141, 78, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 78, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 78, 123);  
box-shadow:4px 4px 4px 4px rgb(141, 78,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 35.862, 336.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 78, 123) }
```

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

```
.background{ background-color: rgb(141, 78,  
123) }
```

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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