

Converting Colors

CIELCh(50, 40.876, 345.616)

Have a look what the booklet for
CIELCh(50, 40.876, 345.616)
contains.

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Color

CIELCh(50, 41.163, 345.819)

Conversions

Conversions Part 1

Format	Color
Hex	AF5B89
RGB	175, 91, 137
RGB Percent	69%, 36%, 54%
CMY	0.3135, 0.6429, 0.4625
CMYK	0.00, 0.48, 0.22, 0.31
HSL	327°, 34%, 52%
HSV	327°, 48%, 69%
XYZ	25.9559, 18.4187, 25.8730
YIQ	121.3600, 35.2980, 32.1140

Conversions

Conversions Part 2

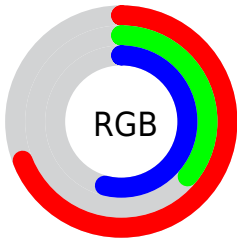
Format	Color
R_{YB}	175, 91, 137
Decimal	11492233
CIE Lab	50.00, 39.91, -10.08
CIE LCh	50, 41.163, 345.819
Yxy	18.4187, 0.3695, 0.2622
Android (android.graphics.Color)	4289682313 (0xFFAF5B89)
YUV	121.3600, 7.7105, 47.0423
Hunter-Lab	42.9170, 32.8510, -5.7018

Details

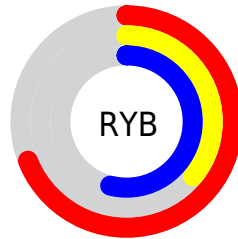
The CIELCh color **50, 41.163, 345.819** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **65, 39.595, 156.381**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 41.239, 345.832**, and **30, 41.173, 345.811** is the 20% darker color. If you saturate the color by 10%, you get **46, 48.742, 347.221**, and if you desaturate by 10%, it is **54, 32.872, 344.620**.

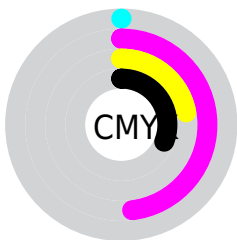
Distribution



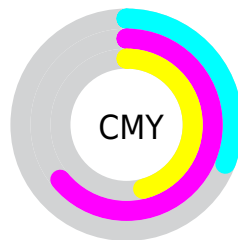
- Red (69%)
- Green (36%)
- Blue (54%)



- Red (69%)
- Yellow (36%)
- Blue (54%)



- Cyan (0%)
- Magenta (48%)
- Yellow (22%)
- Black (31%)





- Cyan (31%)
- Magenta (64%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 41.163, 345.819 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 50, 41.163, 345.819 by changing the saturation by 10% instead.


 50, 41.163,
345.819


 50, 41.163,
345.819


 100, 41.163,
345.819


 40, 41.163,
345.819


 70, 41.163,
345.819

 30, 41.163,
345.819


 80, 41.163,
345.819


 20, 41.163,
345.819

 90, 41.163,
345.819

 10, 41.163,
345.819

 0, 41.163, 345.819

 50, 41.163,
345.819

 50, 41.163,
345.819

46, 48.742,
347.221

54, 32.872,
344.620

43, 55.196,
348.900

58, 24.227,
343.567

41, 60.093,
350.963

63, 15.482,
342.623

39, 63.131,
353.544

68, 6.808, 341.747

38, 64.439,
356.731

72, 1.688, 161.235

77, 9.946, 160.350

38, 64.662,
357.397

82, 17.939,
159.676

87, 25.661,
159.060

92, 33.118,
158.489

Harmonies

Complementary

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



50, 41.163, 345.819



65, 39.595, 156.381

Rectangle

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



50, 41.163, 345.819



50, 41.163, 35.819



50, 41.163, 165.819



50, 41.163, 215.819

Sweetspot

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



50, 41.160, 345.820



82, 14.835, 342.290



46, 51.193, 309.919



43, 10.344, 342.477



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



50, 41.160, 345.820



59, 60.046, 347.377



49, 36.965, 20.967



34, 4.796, 341.861



32, 57.936, 356.905



2, 9.402, 346.241

Inverse Universe

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



50, 41.160, 345.820



59, 60.046, 347.377



66, 27.113, 192.222



34, 4.796, 341.861



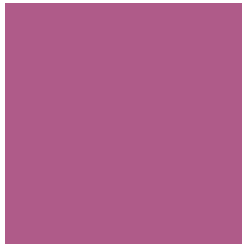
32, 57.936, 356.905



2, 9.402, 346.241

Previews

White Background



This preview shows how the CIELCh color 50, 41.163, 345.819 looks on a white background.

Color Contrast Check

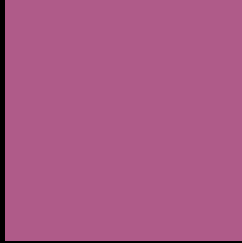
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 41.163, 345.819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

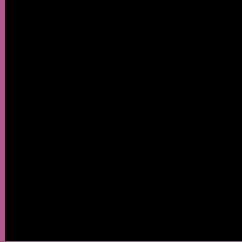
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 41.163, 345.819

Background



This preview shows how black text looks on a background with the CIELCh color 50, 41.163, 345.819.

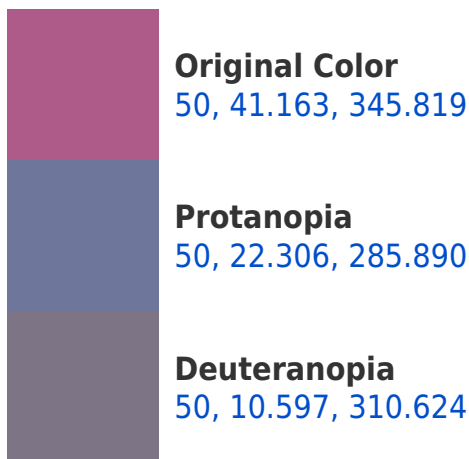


This preview shows how white text looks on a background with the CIELCh color 50, 41.163, 345.819.

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
50, 32.036, 16.659

Trichromacy



Original Color
50, 41.163, 345.819

Protanomaly
49, 26.003, 314.768

Deuteranomaly
50, 21.173, 333.974

Tritanomaly
50, 34.268, 2.913

Monochromacy



Original Color
50, 41.163, 345.819

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 15.911, 342.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 41.163, 345.819 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(175, 91, 137)` looks like.

```
.text, #text, p{  
    color:rgb(175, 91, 137)  
}
```

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(175, 91, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 91, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 41.163, 345.819 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(175, 91, 137) }
```

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

```
.border{ border-color:rgb(175, 91, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 91, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 91, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 91, 137);  
box-shadow:4px 4px 4px 4px rgb(175, 91,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 41.163, 345.819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 91, 137) }
```

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

```
.background{ background-color: rgb(175, 91,  
137) }
```

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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