

Converting Colors

CIELCh(52, 42.500, 342.399)

Have a look what the booklet for
CIELCh(52, 42.500, 342.399)
contains.

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Color

CIELCh(52, 42.500, 342.399)

Conversions

Conversions Part 1

Format	Color
Hex	B46093
RGB	180, 96, 147
RGB Percent	71%, 38%, 58%
CMY	0.2945, 0.6239, 0.4239
CMYK	0.00, 0.47, 0.18, 0.29
HSL	324°, 36%, 54%
HSV	324°, 47%, 71%
XYZ	28.2332, 20.1443, 29.9661
YIQ	126.9300, 33.6930, 33.6690

Conversions

Conversions Part 2

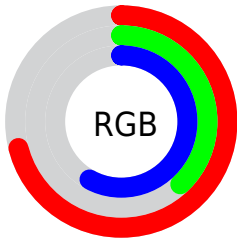
Format	Color
R _Y B	180, 96, 147
Decimal	11821203
CIE Lab	52.00, 40.51, -12.85
CIE LCh	52, 42.500, 342.399
Yxy	20.1443, 0.3604, 0.2571
Android (android.graphics.Color)	4290011283 (0xFFB46093)
YUV	126.9300, 9.8945, 46.5424
Hunter-Lab	44.8824, 33.7409, -8.1677

Details

The CIELCh color $52, 42.500, 342.399$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $67, 41.459, 153.820$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 42.226, 342.293$, and $32, 42.432, 342.610$ is the 20% darker color. If you saturate the color by 10%, you get $48, 50.548, 343.596$, and if you desaturate by 10%, it is $56, 33.712, 341.350$.

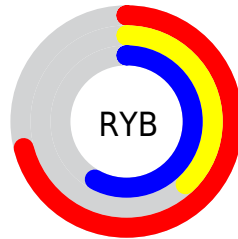
Distribution



Red (71%)

Green (38%)

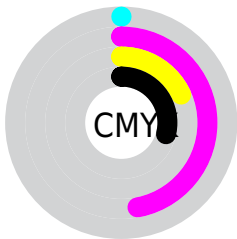
Blue (58%)



Red (71%)

Yellow (38%)

Blue (58%)

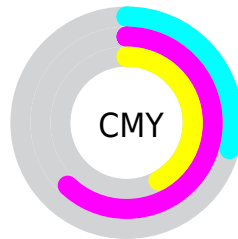


Cyan (0%)

Magenta (47%)

Yellow (18%)

Black (29%)



Cyan (29%)


Magenta (62%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 42.500, 342.399 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 52, 42.500, 342.399 by changing the saturation by 10% instead.

 52, 42.500,
342.399


 52, 42.500,
342.399


 100, 42.500,
342.399


 42, 42.500,
342.399


 72, 42.500,
342.399

 32, 42.500,
342.399

 82, 42.500,
342.399

 22, 42.500,
342.399

 92, 42.500,
342.399

 12, 42.500,
342.399

 2, 42.500, 342.399

 0, 42.500, 342.399

52, 42.500,
342.399

52, 42.500,
342.399

48, 50.548,
343.596

56, 33.712,
341.350

45, 57.425,
344.996

61, 24.551,
340.409

43, 62.676,
346.679

65, 15.277,
339.550

41, 65.953,
348.751

70, 6.069, 338.734

40, 67.235,
351.314

75, 2.963, 158.183

39, 67.499,
352.218

80, 11.756,
157.425

85, 20.281,
156.787

90, 28.529,
156.198

 94, 34.863,
156.396

Harmonies

Complementary

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



52, 42.500, 342.399



67, 41.459, 153.820

Rectangle

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



52, 42.500, 342.399



52, 42.500, 32.399



52, 42.500, 162.399



52, 42.500, 212.399

Sweetspot

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



52, 42.497, 342.400



84, 15.877, 339.349



47, 50.629, 307.785



44, 10.970, 339.523



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



52, 42.497, 342.400



62, 61.916, 343.632



51, 36.267, 15.725



35, 5.121, 338.950



33, 60.036, 351.799



2, 11.360, 343.871

Inverse Universe

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



52, 42.497, 342.400



62, 61.916, 343.632



68, 28.084, 185.969



35, 5.121, 338.950



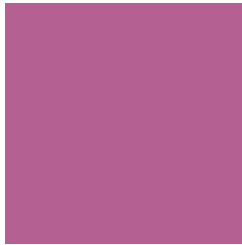
33, 60.036, 351.799



2, 11.360, 343.871

Previews

White Background



This preview shows how the CIELCh color 52, 42.500, 342.399 looks on a white background.

Color Contrast Check

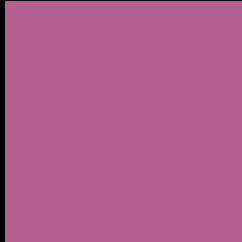
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 52, 42.500, 342.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

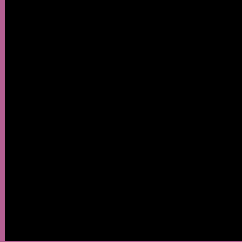
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 42.500, 342.399

Background



This preview shows how black text looks on a background with the CIELCh color 52, 42.500, 342.399.



This preview shows how white text looks on a background with the CIELCh color 52, 42.500, 342.399.

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

52, 42.500, 342.399

Protanopia

52, 25.067, 285.529

Deuteranopia

52, 13.110, 303.372



Tritanopia
52, 31.323, 15.254

Trichromacy



Original Color
52, 42.500, 342.399

Protanomaly
51, 28.281, 311.160

Deuteranomaly
52, 22.952, 328.169

Tritanomaly
52, 33.935, 0.487

Monochromacy



Original Color
52, 42.500, 342.399

Achromatopsia
53, 0.007, 296.813

Achromatomaly
52, 15.825, 340.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 42.500, 342.399 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(180, 96, 147)` looks like.

```
.text, #text, p{  
    color:rgb(180, 96, 147)  
}
```

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(180, 96, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 96, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 42.500, 342.399 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(180, 96, 147) }
```

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

```
.border{ border-color:rgb(180, 96, 147) }
```

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

Here you see how a box with a 4 pixel rgb(180, 96, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 96, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 96, 147);  
box-shadow:4px 4px 4px 4px rgb(180, 96,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 42.500, 342.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 96, 147) }
```

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

```
.background{ background-color: rgb(180, 96,  
147) }
```

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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