

Converting Colors

CIELCh(51, 40.580, 0.122)

Have a look what the booklet for
CIELCh(51, 40.580, 0.122) contains.

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Color

CIELCh(51, 40.547, 359.895)

Conversions

Conversions Part 1

Format	Color
Hex	B85C7B
RGB	184, 92, 123
RGB Percent	72%, 36%, 48%
CMY	0.2785, 0.6393, 0.5177
CMYK	0.00, 0.50, 0.33, 0.28
HSL	340°, 39%, 54%
HSV	340°, 50%, 72%
XYZ	27.1620, 19.2686, 21.0208
YIQ	123.0420, 44.8810, 29.1450

Conversions

Conversions Part 2

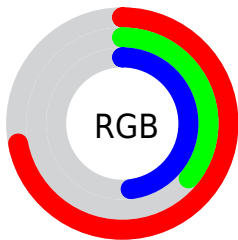
Format	Color
RYB	184, 92, 123
Decimal	12082299
CIELab	51.00, 40.55, -0.07
CIELCh	51, 40.547, 359.895
Yxy	19.2686, 0.4027, 0.2857
Android (android.graphics.Color)	4290272379 (0xFFB85C7B)
YUV	123.0420, -0.0207, 53.4602
Hunter-Lab	43.8960, 33.6343, 2.3347

Details

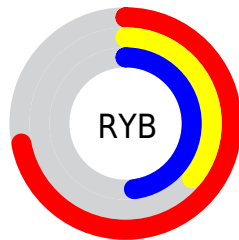
The CIELCh color **51, 40.547, 359.895** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **69, 35.716, 168.055**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 40.237, 0.214**, and **31, 40.384, 0.382** is the 20% darker color. If you saturate the color by 10%, you get **47, 48.146, 2.075**, and if you desaturate by 10%, it is **55, 32.430, 358.131**.

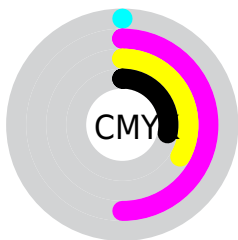
Distribution



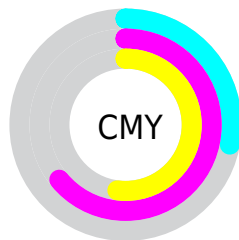
- Red (72%)
- Green (36%)
- Blue (48%)



- Red (72%)
- Yellow (36%)
- Blue (48%)



- Cyan (0%)
- Magenta (50%)
- Yellow (33%)
- Black (28%)





- Cyan (28%)
- Magenta (64%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 40.547, 359.895 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 51, 40.547, 359.895 by changing the saturation by 10% instead.


 51, 40.547,
359.895


 51, 40.547,
359.895


 100, 40.547,
359.895


 41, 40.547,
359.895


 71, 40.547,
359.895

 31, 40.547,
359.895

 81, 40.547,
359.895

 21, 40.547,
359.895

 91, 40.547,
359.895

 11, 40.547,
359.895

 1, 40.547, 359.895

 0, 40.547, 359.895

51, 40.547,
359.895

51, 40.547,
359.895

47, 48.146, 2.075

55, 32.430,
358.131

44, 54.855, 4.811

60, 24.127,
356.667

41, 60.324, 8.275

40, 64.401, 12.621

65, 15.866,
355.423

39, 67.535, 17.688


70, 7.799, 354.330

75, 0.010, 303.229

80, 7.472, 172.685

85, 14.628,
171.913

90, 21.469,
171.231

 95, 26.656,
172.313

Harmonies

Complementary

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



51, 40.547, 359.895



69, 35.716, 168.055

Rectangle

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



51, 40.547, 359.895



51, 40.547, 49.895



51, 40.547, 179.895



51, 40.547, 229.895

Sweetspot

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



51, 40.544, 359.897



85, 14.637, 354.890



49, 56.639, 316.239



44, 10.016, 355.121



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



51, 40.544, 359.897



61, 59.587, 2.321



53, 36.575, 35.642



36, 4.405, 354.261



32, 59.476, 16.890



2, 11.348, 359.782

Inverse Universe

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



51, 40.544, 359.897



61, 59.587, 2.321



65, 24.941, 215.631



36, 4.405, 354.261



32, 59.476, 16.890



2, 11.348, 359.782

Previews

White Background



This preview shows how the CIELCh color 51, 40.547, 359.895 looks on a white background.

Color Contrast Check

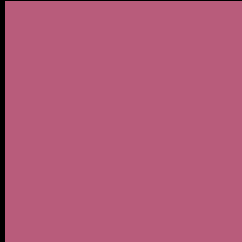
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 40.547, 359.895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

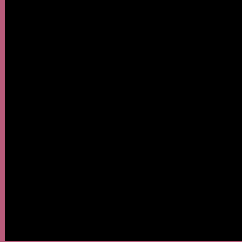
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 40.547, 359.895

Background



This preview shows how black text looks on a background with the CIELCh color 51, 40.547, 359.895.



This preview shows how white text looks on a background with the CIELCh color 51, 40.547, 359.895.

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

51, 40.547, 359.895

Protanopia

51, 11.664, 287.989

Deuteranopia

51, 7.007, 15.424



Tritanopia
51, 37.280, 18.509

Trichromacy



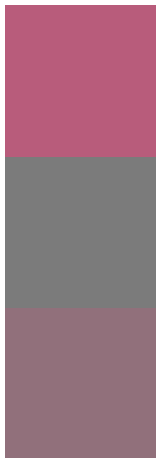
Original Color
51, 40.547, 359.895

Protanomaly
50, 19.098, 334.733

Deuteranomaly
51, 19.219, 2.606

Tritanomaly
51, 37.858, 11.939

Monochromacy



Original Color
51, 40.547, 359.895

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 14.894, 355.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 40.547, 359.895 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(184, 92, 123)` looks like.

```
.text, #text, p{  
    color:rgb(184, 92, 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(184, 92, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 92, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 40.547, 359.895 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(184, 92, 123) }
```

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

```
.border{ border-color:rgb(184, 92, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 92, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 92, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 92, 123);  
box-shadow:4px 4px 4px 4px rgb(184, 92,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 40.547, 359.895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 92, 123) }
```

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

```
.background{ background-color: rgb(184, 92,  
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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