

Converting Colors

CIELCh(50, 45.610, 347.682)

Have a look what the booklet for
CIELCh(50, 45.610, 347.682)
contains.

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Color

CIELCh(50, 45.904, 347.449)

Conversions

Conversions Part 1

Format	Color
Hex	B65689
RGB	182, 86, 137
RGB Percent	71%, 34%, 54%
CMY	0.2861, 0.6626, 0.4626
CMYK	0.00, 0.53, 0.25, 0.29
HSL	328°, 40%, 53%
HSV	328°, 53%, 71%
XYZ	27.1496, 18.4187, 25.8048
YIQ	120.5180, 40.8450, 36.2130

Conversions

Conversions Part 2

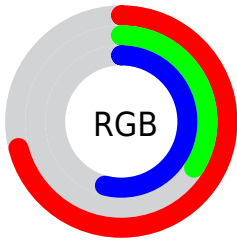
Format	Color
R_{YB}	182, 86, 137
Decimal	11949705
CIE _{Lab}	50.00, 44.81, -9.98
CIE _{LCh}	50, 45.904, 347.449
Yxy	18.4187, 0.3804, 0.2581
Android (android.graphics.Color)	4290139785 (0xFFB65689)
YUV	120.5180, 8.1256, 53.9197
Hunter-Lab	42.9170, 37.8157, -5.6075

Details

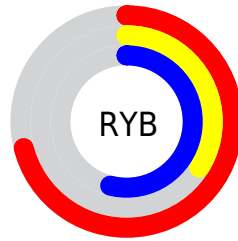
The CIELCh color **50, 45.904, 347.449** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **67, 43.919, 156.500**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 45.788, 347.651**, and **30, 45.763, 347.453** is the 20% darker color. If you saturate the color by 10%, you get **46, 53.183, 349.042**, and if you desaturate by 10%, it is **54, 37.701, 346.111**.

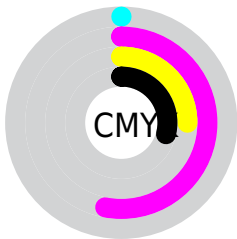
Distribution



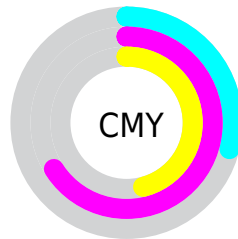
- Red (71%)
- Green (34%)
- Blue (54%)



- Red (71%)
- Yellow (34%)
- Blue (54%)



- Cyan (0%)
- Magenta (53%)
- Yellow (25%)
- Black (29%)





- Cyan (29%)
- Magenta (66%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 45.904, 347.449 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, 45.904, 347.449 by changing the saturation by 10% instead.


 50, 45.904,
347.449


 50, 45.904,
347.449


 100, 45.904,
347.449


 40, 45.904,
347.449


 70, 45.904,
347.449

 30, 45.904,
347.449


 80, 45.904,
347.449

 20, 45.904,
347.449

 90, 45.904,
347.449

 10, 45.904,
347.449

 0, 45.904, 347.449

 50, 45.904,
347.449

 50, 45.904,
347.449

46, 53.183,
349.042

54, 37.701,
346.111

44, 59.095,
350.985

58, 28.983,
344.955

41, 63.243,
353.408

63, 20.058,
343.935

40, 65.448,
356.461

68, 11.140,
343.012

39, 66.234,
359.021

73, 2.368, 342.066

78, 6.178, 161.529

83, 14.457,
160.802

88, 22.455,
160.153

93, 30.174,
159.555

Harmonies

Complementary

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



50, 45.904, 347.449



67, 43.919, 156.500

Rectangle

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



50, 45.904, 347.449



50, 45.904, 37.449



50, 45.904, 167.449



50, 45.904, 217.449

Sweetspot

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



50, 45.901, 347.450



84, 17.412, 343.329



45, 58.291, 310.710



44, 11.872, 343.517



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



50, 45.901, 347.450



60, 65.906, 349.278



49, 42.624, 23.230



36, 4.972, 342.712



33, 59.061, 358.499



3, 12.434, 348.993

Inverse Universe

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



50, 45.901, 347.450



60, 65.906, 349.278



69, 29.774, 193.627



36, 4.972, 342.712



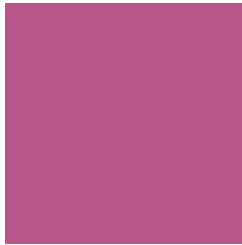
33, 59.061, 358.499



3, 12.434, 348.993

Previews

White Background



This preview shows how the CIELCh color 50, 45.904, 347.449 looks on a white background.

Color Contrast Check

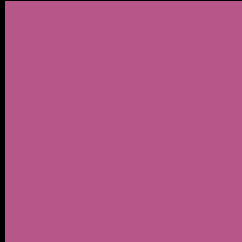
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 45.904, 347.449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

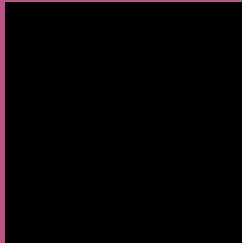
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 45.904, 347.449

Background



This preview shows how black text looks on a background with the CIELCh color 50, 45.904, 347.449.

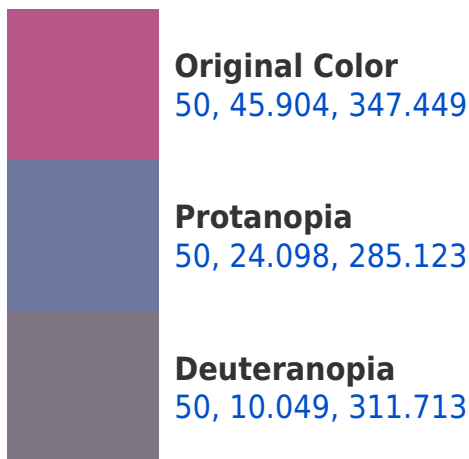


This preview shows how white text looks on a background with the CIELCh color 50, 45.904, 347.449.

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, 37.048, 19.353

Trichromacy



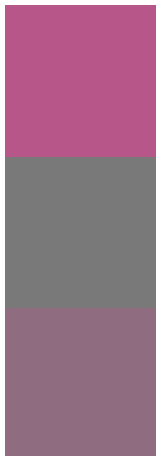
Original Color
50, 45.904, 347.449

Protanomaly
49, 28.579, 315.202

Deuteranomaly
49, 23.325, 335.931

Tritanomaly
50, 38.635, 6.394

Monochromacy



Original Color
50, 45.904, 347.449

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 17.880, 343.435

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 45.904, 347.449 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(182, 86, 137)` looks like.

```
.text, #text, p{  
    color:rgb(182, 86, 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(182, 86, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 86, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 45.904, 347.449 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(182, 86, 137) }
```

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

```
.border{ border-color:rgb(182, 86, 137) }
```

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

Here you see how a box with a 4 pixel rgb(182, 86, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 86, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 86, 137);  
box-shadow:4px 4px 4px 4px rgb(182, 86,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 45.904, 347.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 86, 137) }
```

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

```
.background{ background-color: rgb(182, 86,  
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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