

Converting Colors

CIELCh(48, 49.440, 345.247)

Have a look what the booklet for
CIELCh(48, 49.440, 345.247)
contains.

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Color

CIELCh(48, 49.204, 345.425)

Conversions

Conversions Part 1

Format	Color
Hex	B34E88
RGB	179, 78, 136
RGB Percent	70%, 31%, 53%
CMY	0.2983, 0.6943, 0.4669
CMYK	0.00, 0.56, 0.24, 0.30
HSL	326°, 40%, 50%
HSV	326°, 56%, 70%
XYZ	25.7384, 16.7945, 25.1588
YIQ	114.8110, 41.5780, 39.4500

Conversions

Conversions Part 2

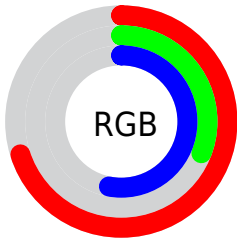
Format	Color
RYB	179, 78, 136
Decimal	11751048
CIELab	48.00, 47.62, -12.38
CIELCh	48, 49.204, 345.425
Yxy	16.7945, 0.3802, 0.2481
Android (android.graphics.Color)	4289941128 (0xFFB34E88)
YUV	114.8110, 10.4462, 56.2938
Hunter-Lab	40.9810, 40.3912, -7.7121

Details

The CIELCh color $48, 49.204, 345.425$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $66, 47.743, 153.943$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 49.215, 345.542$, and $28, 49.020, 345.476$ is the 20% darker color. If you saturate the color by 10%, you get $45, 56.012, 346.950$, and if you desaturate by 10%, it is $52, 41.272, 344.137$.

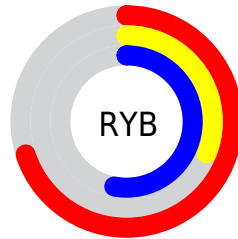
Distribution



Red (70%)

Green (31%)

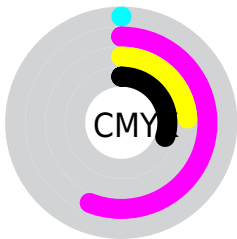
Blue (53%)



Red (70%)

Yellow (31%)

Blue (53%)

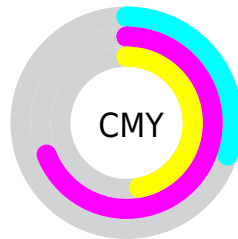


Cyan (0%)

Magenta (56%)

Yellow (24%)

Black (30%)



Cyan (30%)

Magenta (69%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 49.204, 345.425 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 48, 49.204, 345.425 by changing the saturation by 10% instead.

 48, 49.204,
345.425

 48, 49.204,
345.425

 100, 49.204,
345.425

 38, 49.204,
345.425

 68, 49.204,
345.425


 28, 49.204,
345.425

 78, 49.204,
345.425

 18, 49.204,
345.425

 88, 49.204,
345.425

 8, 49.204, 345.425

 98, 49.204,
345.425

 0, 49.204, 345.425

 48, 49.204,

 48, 49.204,

345.425

■ 45, 56.012,
346.950

■ 42, 61.257,
348.803

■ 40, 64.592,
351.104

■ 39, 65.987,
353.971

■ 39, 66.313,
355.062

345.425

■ 52, 41.272,
344.137

■ 56, 32.654,
343.020

■ 60, 23.695,
342.028

■ 65, 14.648,
341.130

■ 70, 5.683, 340.282

■ 75, 3.095, 159.712

■ 80, 11.631,
158.941

■ 85, 19.897,
158.289

■ 90, 27.887,
157.689

Harmonies

Complementary

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



48, 49.204, 345.425



66, 47.743, 153.943

Rectangle

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



48, 49.204, 345.425



48, 49.204, 35.425



48, 49.204, 165.425



48, 49.204, 215.425

Sweetspot

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



48, 49.201, 345.426



82, 18.726, 341.204



42, 61.451, 309.442



43, 12.645, 341.376



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 49.201, 345.426



57, 69.975, 347.416



47, 44.641, 20.444



35, 5.004, 340.528



33, 59.198, 354.604



2, 11.105, 345.707

Inverse Universe

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



48, 49.201, 345.426



57, 69.975, 347.416



67, 31.643, 188.328



35, 5.004, 340.528



33, 59.198, 354.604



2, 11.105, 345.707

Previews

White Background



This preview shows how the CIELCh color 48, 49.204, 345.425 looks on a white background.

Color Contrast Check

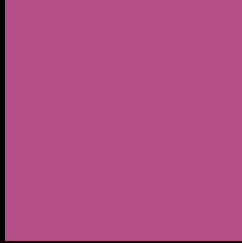
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 49.204, 345.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

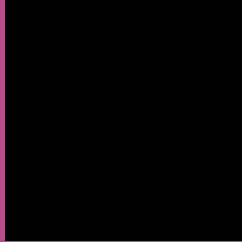
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 49.204, 345.425

Background



This preview shows how black text looks on a background with the CIELCh color 48, 49.204, 345.425.

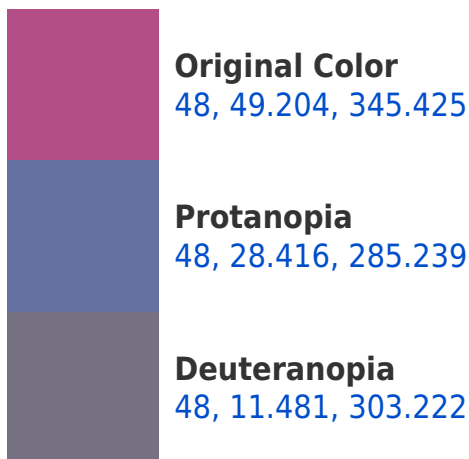


This preview shows how white text looks on a background with the CIELCh color 48, 49.204, 345.425.

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
48, 38.672, 19.256

Trichromacy



Original Color
48, 49.204, 345.425

Protanomaly
47, 32.589, 312.595

Deuteranomaly
47, 24.874, 331.393

Tritanomaly
48, 40.260, 5.137

Monochromacy



Original Color
48, 49.204, 345.425

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 19.019, 341.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 49.204, 345.425 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(179, 78, 136)` looks like.

```
.text, #text, p{  
    color:rgb(179, 78, 136)  
}
```

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(179, 78, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 78, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 49.204, 345.425 is called "border". The border property can be set on classes, ids or directly on the HTML element.

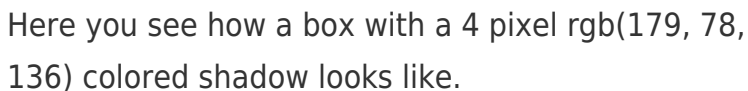
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 78, 136) }
```

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

```
.border{ border-color:rgb(179, 78, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 78, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 78, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 78, 136); box-shadow:4px 4px 4px 4px rgb(179, 78, 136) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 49.204, 345.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 78, 136) }
```

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

```
.background{ background-color: rgb(179, 78,  
136) }
```

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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