

Converting Colors

CIELCh(48, 47.902, 343.733)

Have a look what the booklet for
CIELCh(48, 47.902, 343.733)
contains.

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Color

CIELCh(48, 47.967, 343.479)

Conversions

Conversions Part 1

Format	Color
Hex	B0508A
RGB	176, 80, 138
RGB Percent	69%, 31%, 54%
CMY	0.3099, 0.6864, 0.4589
CMYK	0.00, 0.55, 0.22, 0.31
HSL	324°, 38%, 50%
HSV	324°, 55%, 69%
XYZ	25.3504, 16.7945, 25.9405
YIQ	115.3160, 38.5980, 38.3900

Conversions

Conversions Part 2

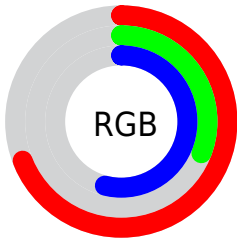
Format	Color
R_{YB}	176, 80, 138
Decimal	11554954
CIE _{Lab}	48.00, 45.99, -13.64
CIE _{LCh}	48, 47.967, 343.479
Yxy	16.7945, 0.3723, 0.2467
Android (android.graphics.Color)	4289745034 (0xFFB0508A)
YUV	115.3160, 11.1832, 53.2199
Hunter-Lab	40.9810, 38.7010, -8.8431

Details

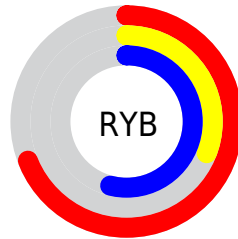
The CIELCh color $48, 47.967, 343.479$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $65, 46.863, 152.899$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 47.852, 343.842$, and $28, 47.850, 343.695$ is the 20% darker color. If you saturate the color by 10%, you get $45, 55.008, 344.837$, and if you desaturate by 10%, it is $52, 39.874, 342.313$.

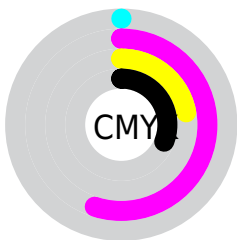
Distribution



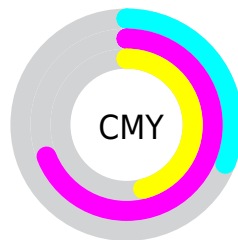
- Red (69%)
- Green (31%)
- Blue (54%)



- Red (69%)
- Yellow (31%)
- Blue (54%)



- Cyan (0%)
- Magenta (55%)
- Yellow (22%)
- Black (31%)




- Cyan (31%)
- Magenta (69%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 47.967, 343.479 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, 47.967, 343.479 by changing the saturation by 10% instead.

 48, 47.967,
343.479


 48, 47.967,
343.479


 100, 47.967,
343.479

 38, 47.967,
343.479

 68, 47.967,
343.479

 28, 47.967,
343.479

 78, 47.967,
343.479

 18, 47.967,
343.479

 88, 47.967,
343.479

 8, 47.967, 343.479

 98, 47.967,
343.479

 0, 47.967, 343.479

 48, 47.967,

 48, 47.967,

343.479

343.479

■ 45, 55.008,
344.837

■ 52, 39.874,
342.313

■ 42, 60.555,
346.461

■ 56, 31.151,
341.286

■ 40, 64.230,
348.451

■ 60, 22.126,
340.362

■ 39, 65.886,
350.927

■ 65, 13.037,
339.514


■ 38, 66.331,
352.419

■ 70, 4.041, 338.688

■ 74, 4.765, 158.129

■ 79, 13.328,
157.422

■ 84, 21.624,
156.795

 89, 29.648,
156.215

Harmonies

Complementary

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



48, 47.967, 343.479



65, 46.863, 152.899

Rectangle

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



48, 47.967, 343.479



48, 47.967, 33.479



48, 47.967, 163.479



48, 47.967, 213.479

Sweetspot

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



48, 47.964, 343.480



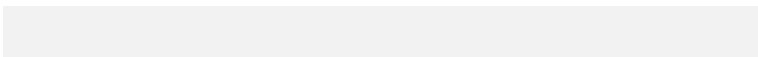
82, 17.814, 339.657



42, 58.477, 308.343



42, 12.031, 339.823



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



48, 47.964, 343.480



58, 68.301, 345.075



47, 42.137, 17.463



35, 5.110, 339.091



33, 59.953, 352.050



2, 11.336, 344.038

Inverse Universe

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



48, 47.964, 343.480



58, 68.301, 345.075



66, 31.118, 185.260



35, 5.110, 339.091



33, 59.953, 352.050



2, 11.336, 344.038

Previews

White Background



This preview shows how the CIELCh color 48, 47.967, 343.479 looks on a white background.

Color Contrast Check

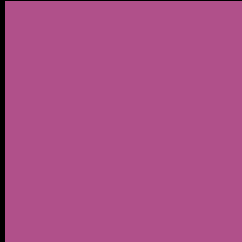
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 47.967, 343.479 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, 47.967, 343.479

Background



This preview shows how black text looks on a background with the CIELCh color 48, 47.967, 343.479.

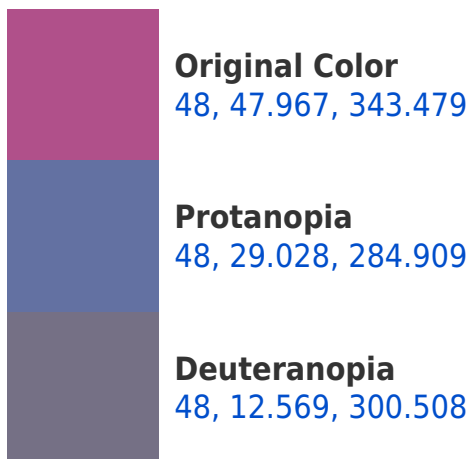


This preview shows how white text looks on a background with the CIELCh color 48, 47.967, 343.479.

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, 36.402, 18.453

Trichromacy



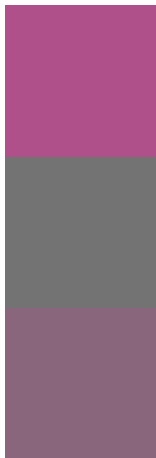
Original Color
48, 47.967, 343.479

Protanomaly
47, 32.258, 310.701

Deuteranomaly
47, 25.315, 328.163

Tritanomaly
48, 38.308, 3.536

Monochromacy



Original Color
48, 47.967, 343.479

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 18.718, 340.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 47.967, 343.479 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(176, 80, 138)` looks like.

```
.text, #text, p{  
    color:rgb(176, 80, 138)  
}
```

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(176, 80, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 80, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 47.967, 343.479 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(176, 80, 138) }
```

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

```
.border{ border-color:rgb(176, 80, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 80, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 80, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 80, 138);  
box-shadow:4px 4px 4px 4px rgb(176, 80,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 47.967, 343.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 80, 138) }
```

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

```
.background{ background-color: rgb(176, 80,  
138) }
```

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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