

Converting Colors

CIELCh(48, 48.659, 342.862)

Have a look what the booklet for
CIELCh(48, 48.659, 342.862)
contains.

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Color

CIELCh(48, 48.817, 342.765)

Conversions

Conversions Part 1

Format	Color
Hex	B04F8B
RGB	176, 79, 139
RGB Percent	69%, 31%, 55%
CMY	0.3083, 0.6888, 0.4535
CMYK	0.00, 0.55, 0.21, 0.31
HSL	323°, 38%, 50%
HSV	323°, 55%, 69%
XYZ	25.5015, 16.7945, 26.4610
YIQ	114.8430, 38.5520, 39.2240

Conversions

Conversions Part 2

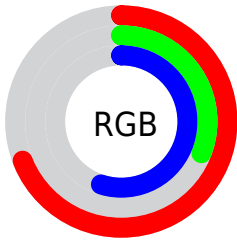
Format	Color
R_{YB}	176, 79, 139
Decimal	11554699
CIE _{Lab}	48.00, 46.62, -14.46
CIE _{LCh}	48, 48.817, 342.765
Yxy	16.7945, 0.3709, 0.2443
Android (android.graphics.Color)	4289744779 (0xFFB04F8B)
YUV	114.8430, 11.9094, 53.6347
Hunter-Lab	40.9810, 39.3593, -9.5962

Details

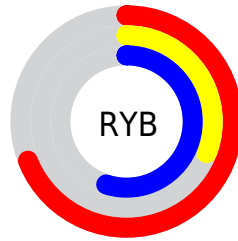
The CIELCh color $48, 48.817, 342.765$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $65, 47.865, 152.225$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 49.009, 342.619$, and $28, 48.875, 342.894$ is the 20% darker color. If you saturate the color by 10%, you get $45, 55.851, 344.081$, and if you desaturate by 10%, it is $52, 40.694, 341.630$.

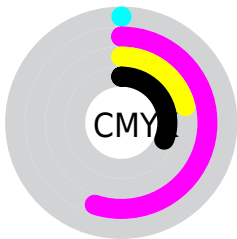
Distribution



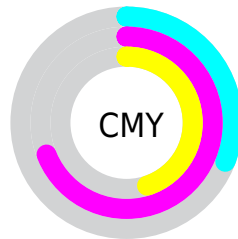
- Red (69%)
- Green (31%)
- Blue (55%)



- Red (69%)
- Yellow (31%)
- Blue (55%)



- Cyan (0%)
- Magenta (55%)
- Yellow (21%)
- Black (31%)





- Cyan (31%)
- Magenta (69%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 48.817, 342.765 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, 48.817, 342.765 by changing the saturation by 10% instead.

 48, 48.817,
342.765

 48, 48.817,
342.765


 100, 48.817,
342.765

 38, 48.817,
342.765

 68, 48.817,
342.765

 28, 48.817,
342.765

 78, 48.817,
342.765

 18, 48.817,
342.765

 88, 48.817,
342.765

 8, 48.817, 342.765

 98, 48.817,
342.765

 0, 48.817, 342.765

 48, 48.817,

 48, 48.817,

342.765

■ 45, 55.851,
344.081

■ 42, 61.351,
345.648

■ 40, 64.943,
347.562

■ 39, 66.497,
349.933

■ 39, 66.890,
351.230

342.765

■ 52, 40.694,
341.630

■ 56, 31.909,
340.626

■ 60, 22.799,
339.719

■ 65, 13.609,
338.885

■ 70, 4.501, 338.076

■ 74, 4.423, 157.520

■ 79, 13.107,
156.813

■ 84, 21.524,
156.190

■ 89, 29.669,
155.613

Harmonies

Complementary

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



48, 48.817, 342.765



65, 47.865, 152.225

Rectangle

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



48, 48.817, 342.765



48, 48.817, 32.765



48, 48.817, 162.765



48, 48.817, 212.765

Sweetspot

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



48, 48.814, 342.766



81, 19.127, 339.071



42, 59.066, 307.895



42, 12.796, 339.231



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, 48.814, 342.766



57, 69.606, 344.392



47, 42.477, 16.317



35, 5.162, 338.431



33, 60.357, 350.876



2, 11.452, 343.251

Inverse Universe

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



48, 48.814, 342.766



57, 69.606, 344.392



66, 31.724, 183.653



35, 5.162, 338.431



33, 60.357, 350.876



2, 11.452, 343.251

Previews

White Background



This preview shows how the CIELCh color 48, 48.817, 342.765 looks on a white background.

Color Contrast Check

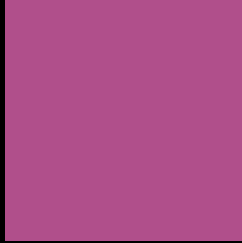
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.817, 342.765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

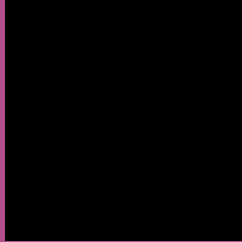
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 48, 48.817, 342.765

Background



This preview shows how black text looks on a background with the CIELCh color 48, 48.817, 342.765.

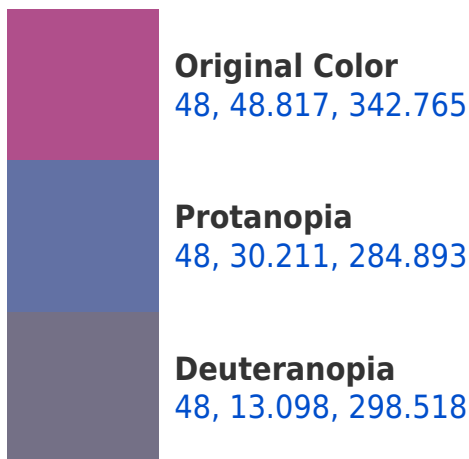


This preview shows how white text looks on a background with the CIELCh color 48, 48.817, 342.765.

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, 48.817, 342.765

Protanomaly
47, 33.363, 310.142

Deuteranomaly
47, 25.773, 327.374

Tritanomaly
48, 39.275, 2.534

Monochromacy



Original Color
48, 48.817, 342.765

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 19.082, 339.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 48.817, 342.765 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, 79, 139)` looks like.

```
.text, #text, p{  
    color:rgb(176, 79, 139)  
}
```

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, 79, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 79, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 48.817, 342.765 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, 79, 139) }
```

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

```
.border{ border-color:rgb(176, 79, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 79, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 79, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 79, 139);  
box-shadow:4px 4px 4px 4px rgb(176, 79,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 48.817, 342.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 79, 139) }
```

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

```
.background{ background-color: rgb(176, 79,  
139) }
```

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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