

Converting Colors

CIELCh(48, 115.325, 318.578)

Have a look what the booklet for
CIELCh(48, 115.325, 318.578)
contains.

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Color

CIELCh(48, 115.350, 318.594)

Conversions

Conversions Part 1

Format	Color
Hex	B704F6
RGB	183, 4, 246
RGB Percent	72%, 2%, 96%
CMY	0.2825, 0.9850, 0.0355
CMYK	0.26, 0.98, 0.00, 0.04
HSL	284°, 97%, 49%
HSV	284°, 98%, 96%
XYZ	36.1842, 16.7945, 88.4826
YIQ	85.1090, 29.0020, 113.2100

Conversions

Conversions Part 2

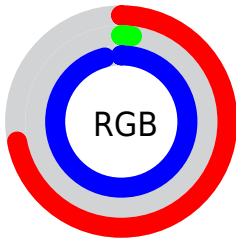
Format	Color
R_{YB}	183, 4, 246
Decimal	11994358
CIE _{Lab}	48.00, 86.52, -76.29
CIE _{LCh}	48, 115.350, 318.594
Yxy	16.7945, 0.2558, 0.1187
Android (android.graphics.Color)	4290184438 (0xFFB704F6)
YUV	85.1090, 79.3193, 85.8504
Hunter-Lab	40.9810, 85.8897, -99.3269

Details

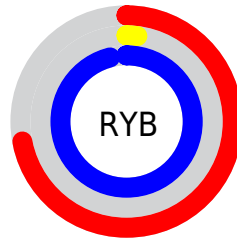
The CIELCh color **48, 115.350, 318.594** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **86, 112.994, 133.936**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 93.784, 325.446**, and **33, 96.175, 315.790** is the 20% darker color. If you saturate the color by 10%, you get **48, 115.783, 318.498**, and if you desaturate by 10%, it is **50, 111.758, 319.153**.

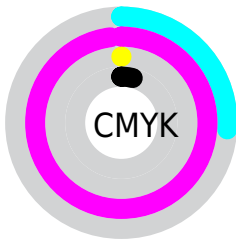
Distribution



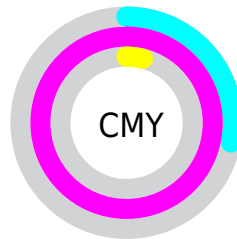
- Red (72%)
- Green (2%)
- Blue (96%)



- Red (72%)
- Yellow (2%)
- Blue (96%)



- Cyan (26%)
- Magenta (98%)
- Yellow (0%)
- Black (4%)





- Cyan (28%)
- Magenta (99%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 115.350, 318.594 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, 115.350, 318.594 by changing the saturation by 10% instead.


 48, 115.350,
318.594


 48, 115.350,
318.594


 100, 115.350,
318.594


 38, 115.350,
318.594


 68, 115.350,
318.594


 28, 115.350,
318.594


 78, 115.350,
318.594


 18, 115.350,
318.594


 88, 115.350,
318.594

 8, 115.350,
318.594

 98, 115.350,
318.594

 0, 115.350,
318.594

 48, 115.350,

 48, 115.350,

318.594

318.594

■ 48, 115.783,
318.498

■ 50, 111.758,
319.153

■ 53, 105.088,
319.436

■ 57, 95.501,
319.469

■ 61, 83.654,
319.310

■ 67, 70.283,
319.016

■ 72, 56.029,
318.638

■ 79, 41.377,
318.214

■ 85, 26.660,
317.770

■ 91, 12.094,
317.322

Harmonies

Complementary

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



48, 115.350, 318.594



86, 112.994, 133.936

Rectangle

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



48, 115.350, 318.594



48, 115.350, 8.594



48, 115.350, 138.594



48, 115.350, 188.594

Sweetspot

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



48, 115.349, 318.594



80, 44.968, 318.284



39, 105.171, 300.019



40, 30.713, 318.466



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 115.349, 318.594



49, 119.007, 318.481



55, 93.665, 340.311



48, 8.118, 317.369



36, 93.862, 318.647



8, 41.456, 319.787

Inverse Universe

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



52, 86.996, 24.878



54, 90.310, 25.845



85, 107.685, 139.238



48, 5.377, 359.628



39, 70.699, 24.644



9, 29.784, 13.610

Previews

White Background



This preview shows how the CIE LCh color 48, 115.350, 318.594 looks on a white background.

Color Contrast Check

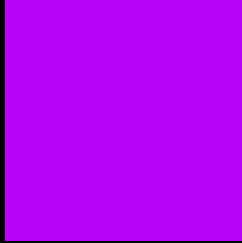
Large Text (above 18pt) WCAG AA ✓ Pass

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, 115.350, 318.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

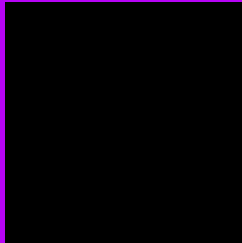
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 115.350, 318.594

Background



This preview shows how black text looks on a background with the CIELCh color 48, 115.350, 318.594.



This preview shows how white text looks on a background with the CIELCh color 48, 115.350,

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

48, 115.350, 318.594

Protanopia

49, 72.316, 287.191

Deuteranopia

49, 52.332, 275.584



Tritanopia
48, 28.266, 15.155

Trichromacy



Original Color
48, 115.350, 318.594



Protanomaly
41, 97.820, 301.484



Deuteranomaly
40, 85.331, 299.846



Tritanomaly
45, 62.175, 331.991

Monochromacy



Original Color
48, 115.350, 318.594



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 57.104, 319.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 115.350, 318.594 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(183, 4, 246)` looks like.

```
.text, #text, p{  
    color:rgb(183, 4, 246)  
}
```

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(183, 4, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 4, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 115.350, 318.594 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(183, 4, 246) }
```

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

```
.border{ border-color:rgb(183, 4, 246) }
```

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

Here you see how a box with a 4 pixel rgb(183, 4, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 4, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 4, 246);  
box-shadow:4px 4px 4px 4px rgb(183, 4,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 115.350, 318.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 4, 246) }
```

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

```
.background{ background-color: rgb(183, 4,  
246) }
```

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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