

Converting Colors

CIELCh(48, 94.938, 328.180)

Have a look what the booklet for
CIELCh(48, 94.938, 328.180)
contains.

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Color

CIELCh(48, 94.894, 328.185)

Conversions

Conversions Part 1

Format	Color
Hex	C80EC8
RGB	200, 14, 200
RGB Percent	78%, 5%, 78%
CMY	0.2152, 0.9437, 0.2153
CMYK	0.00, 0.93, 0.00, 0.22
HSL	300°, 87%, 42%
HSV	300°, 93%, 78%
XYZ	34.4510, 16.7945, 56.1367
YIQ	90.8180, 51.1500, 97.2780

Conversions

Conversions Part 2

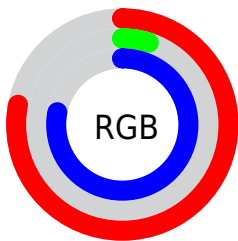
Format	Color
R _Y B	200, 14, 200
Decimal	13110984
CIE Lab	48.00, 80.64, -50.03
CIE LCh	48, 94.894, 328.185
Yxy	16.7945, 0.3208, 0.1564
Android (android.graphics.Color)	4291301064 (0xFFC80EC8)
YUV	90.8180, 53.8267, 95.7526
Hunter-Lab	40.9810, 78.3406, -52.5299

Details

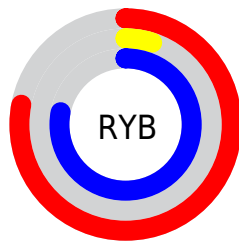
The CIELCh color **48, 94.894, 328.185** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **71, 98.097, 136.280**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 93.562, 327.565**, and **33, 75.982, 327.166** is the 20% darker color. If you saturate the color by 10%, you get **48, 96.283, 328.235**, and if you desaturate by 10%, it is **49, 91.382, 328.059**.

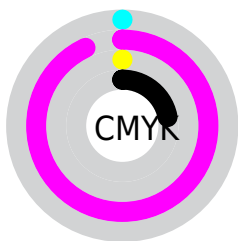
Distribution



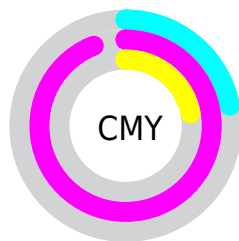
- Red (78%)
- Green (5%)
- Blue (78%)



- Red (78%)
- Yellow (5%)
- Blue (78%)



- Cyan (0%)
- Magenta (93%)
- Yellow (0%)
- Black (22%)




- Cyan (22%)
- Magenta (94%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 94.894, 328.185 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, 94.894, 328.185 by changing the saturation by 10% instead.

 48, 94.894,
328.185


 48, 94.894,
328.185


 100, 94.894,
328.185


 38, 94.894,
328.185

 68, 94.894,
328.185


 28, 94.894,
328.185

 78, 94.894,
328.185

 18, 94.894,
328.185

 88, 94.894,
328.185

 8, 94.894, 328.185

 98, 94.894,
328.185

 0, 94.894, 328.185

 48, 94.894,

 48, 94.894,

328.185

328.185

■ 48, 96.283,
328.235

■ 49, 91.382,
328.059

■ 51, 85.437,
327.843

■ 53, 77.194,
327.538

■ 57, 67.040,
327.154

■ 60, 55.471,
326.704

■ 65, 42.977,
326.206

■ 69, 29.980,
325.676

■ 74, 16.802,
325.127

Harmonies

Complementary

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



48, 94.894, 328.185



71, 98.097, 136.280

Rectangle

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



48, 94.894, 328.185



48, 94.894, 18.185



48, 94.894, 148.185



48, 94.894, 198.185

Sweetspot

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



48, 94.892, 328.185



83, 44.737, 325.975



26, 107.954, 305.694



42, 30.817, 326.204



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, 94.892, 328.185



60, 115.562, 328.235



44, 69.712, 359.416



39, 7.382, 324.933



39, 82.756, 328.235



4, 26.741, 327.028

Inverse Universe

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



48, 94.892, 328.185



60, 115.562, 328.235



71, 71.194, 150.601



39, 7.382, 324.933



39, 82.756, 328.235



4, 26.741, 327.028

Previews

White Background



This preview shows how the CIELCh color 48, 94.894, 328.185 looks on a white background.

Color Contrast Check

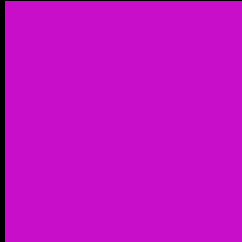
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.894, 328.185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

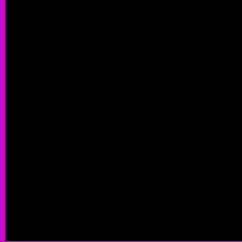
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 94.894, 328.185

Background



This preview shows how black text looks on a background with the CIELCh color 48, 94.894, 328.185.



This preview shows how white text looks on a background with the CIELCh color 48, 94.894, 328.185.

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, 94.894, 328.185

Protanopia
49, 72.857, 287.382

Deuteranopia
49, 43.174, 279.408



Tritanopia
48, 48.278, 22.967

Trichromacy



Original Color
48, 94.894, 328.185



Protanomaly
41, 86.795, 300.614



Deuteranomaly
43, 67.851, 307.369



Tritanomaly
46, 60.729, 351.136

Monochromacy



Original Color
48, 94.894, 328.185



Achromatopsia
39, 0.005, 296.813



Achromatomaly
38, 46.928, 327.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 94.894, 328.185 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(200, 14, 200)` looks like.

```
.text, #text, p{  
    color:rgb(200, 14, 200)  
}
```

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(200, 14, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 14, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 94.894, 328.185 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(200, 14, 200) }
```

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

```
.border{ border-color:rgb(200, 14, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 14, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 14, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 14, 200);  
box-shadow:4px 4px 4px 4px rgb(200, 14,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 94.894, 328.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 14, 200) }
```

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

```
.background{ background-color: rgb(200, 14,  
200) }
```

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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