

Converting Colors

CIELCh(50, 94.747, 332.195)

Have a look what the booklet for
CIELCh(50, 94.747, 332.195)
contains.

CIELCh(50, 94.732, 332.138)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 94.732, 332.138)

Conversions

Conversions Part 1

Format	Color
Hex	D700C4
RGB	215, 0, 196
RGB Percent	84%, 0%, 77%
CMY	0.1571, 1.0000, 0.2316
CMYK	0.00, 1.00, 0.09, 0.16
HSL	305°, 100%, 42%
HSV	305°, 100%, 84%
XYZ	37.9662, 18.4187, 53.7504
YIQ	86.6290, 65.2240, 106.5360

Conversions

Conversions Part 2

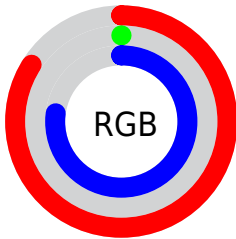
Format	Color
R_{YB}	215, 0, 196
Decimal	14090436
CIE _{Lab}	50.00, 83.75, -44.27
CIE _{LCh}	50, 94.732, 332.138
Yxy	18.4187, 0.3447, 0.1672
Android (android.graphics.Color)	4292280516 (0xFFD700C4)
YUV	86.6290, 53.9199, 112.5814
Hunter-Lab	42.9170, 82.8040, -44.2145

Details

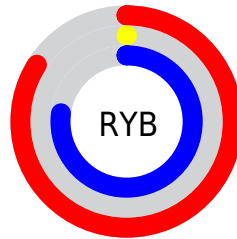
The CIELCh color **50, 94.732, 332.138** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **75, 103.602, 136.680**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 92.787, 327.951**, and **36, 74.673, 331.826** is the 20% darker color. If you saturate the color by 10%, you get **50, 94.715, 332.138**, and if you desaturate by 10%, it is **51, 93.191, 331.713**.

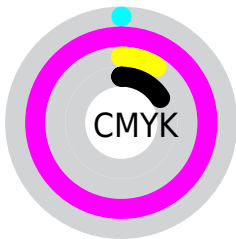
Distribution



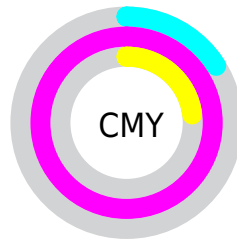
- Red (84%)
- Green (0%)
- Blue (77%)



- Red (84%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 94.732, 332.138 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 50, 94.732, 332.138 by changing the saturation by 10% instead.


 50, 94.732,
332.138


 50, 94.732,
332.138


 100, 94.732,
332.138


 40, 94.732,
332.138


 70, 94.732,
332.138

 30, 94.732,
332.138


 80, 94.732,
332.138


 20, 94.732,
332.138

 90, 94.732,
332.138

 10, 94.732,
332.138

 0, 94.732, 332.138

 50, 94.732,
332.138

 50, 94.732,
332.138

■ 50, 94.715,
332.138

■ 51, 93.191,
331.713

■ 52, 89.427,
331.276

■ 54, 83.066,
330.813

■ 57, 74.369,
330.316

■ 61, 63.816,
329.785

■ 65, 51.954,
329.228

■ 70, 39.285,
328.651

■ 75, 26.219,
328.065

■ 81, 13.057,

Harmonies

Complementary

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



50, 94.732, 332.138



75, 103.602, 136.680

Rectangle

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



50, 94.732, 332.138



50, 94.732, 22.138



50, 94.732, 152.138



50, 94.732, 202.138

Sweetspot

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



50, 94.715, 332.138



82, 45.120, 328.668



27, 117.196, 306.512



41, 30.704, 328.915



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 94.715, 332.138



59, 107.677, 332.180



46, 74.422, 10.618



42, 7.387, 327.438



40, 79.902, 332.071



6, 30.895, 331.127

Inverse Universe

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



50, 94.715, 332.138



59, 107.677, 332.180



76, 71.825, 153.495



42, 7.387, 327.438



40, 79.902, 332.071



6, 30.895, 331.127

Previews

White Background



This preview shows how the CIELCh color 50, 94.732, 332.138 looks on a white background.

Color Contrast Check

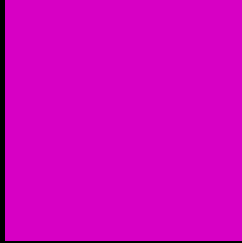
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 94.732, 332.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

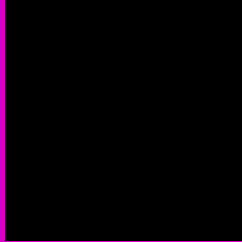
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 94.732, 332.138

Background



This preview shows how black text looks on a background with the CIELCh color 50, 94.732, 332.138.



This preview shows how white text looks on a background with the CIELCh color 50, 94.732, 332.138.

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
50, 94.732, 332.138

Protanopia
51, 76.274, 287.747

Deuteranopia
51, 37.855, 281.486



Tritanopia
50, 56.118, 25.359

Trichromacy



Original Color
50, 94.732, 332.138



Protanomaly
41, 91.065, 301.764



Deuteranomaly
44, 67.736, 312.836



Tritanomaly
48, 65.924, 356.880

Monochromacy



Original Color
50, 94.732, 332.138



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 50.232, 330.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 94.732, 332.138 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(215, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 196)  
}
```

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(215, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 94.732, 332.138 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(215, 0, 196) }
```

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

```
.border{ border-color:rgb(215, 0, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 0, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 94.732, 332.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 196) }
```

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

```
.background{ background-color: rgb(215, 0,  
196) }
```

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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