

Converting Colors

CIELCh(50, 92.996, 333.675)

Have a look what the booklet for
CIELCh(50, 92.996, 333.675)
contains.

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Color

CIELCh(50, 93.050, 333.724)

Conversions

Conversions Part 1

Format	Color
Hex	D900BF
RGB	217, 0, 191
RGB Percent	85%, 0%, 75%
CMY	0.1504, 1.0000, 0.2522
CMYK	0.00, 1.00, 0.12, 0.15
HSL	307°, 100%, 42%
HSV	307°, 100%, 85%
XYZ	37.8688, 18.4187, 50.6695
YIQ	86.6570, 68.0210, 105.4050

Conversions

Conversions Part 2

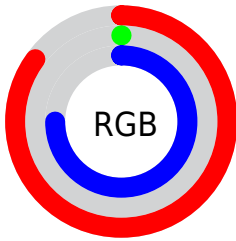
Format	Color
R_{YB}	217, 0, 191
Decimal	14221503
CIE _{Lab}	50.00, 83.44, -41.19
CIE _{LCh}	50, 93.050, 333.724
Yxy	18.4187, 0.3541, 0.1722
Android (android.graphics.Color)	4292411583 (0xFFD900BF)
YUV	86.6570, 51.4411, 114.3108
Hunter-Lab	42.9170, 82.3991, -39.9584

Details

The CIELCh color **50, 93.050, 333.724** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed rose. A complement of this color would be **76, 103.312, 137.041**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 90.871, 328.955**, and **36, 72.885, 333.970** is the 20% darker color. If you saturate the color by 10%, you get **50, 92.937, 333.726**, and if you desaturate by 10%, it is **51, 91.612, 333.142**.

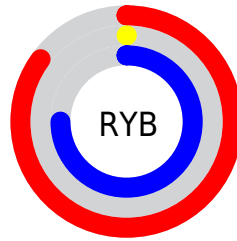
Distribution



Red (85%)

Green (0%)

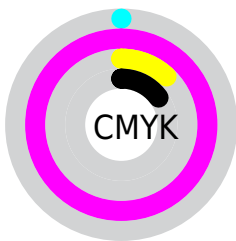
Blue (75%)



Red (85%)

Yellow (0%)

Blue (75%)

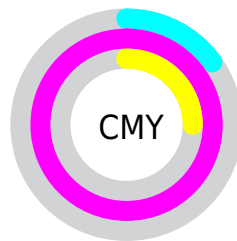


Cyan (0%)

Magenta (100%)

Yellow (12%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 93.050, 333.724 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, 93.050, 333.724 by changing the saturation by 10% instead.

 50, 93.050,
333.724


 50, 93.050,
333.724


 100, 93.050,
333.724


 40, 93.050,
333.724


 70, 93.050,
333.724

 30, 93.050,
333.724


 80, 93.050,
333.724


 20, 93.050,
333.724

 90, 93.050,
333.724

 10, 93.050,
333.724

 0, 93.050, 333.724

 50, 93.050,
333.724

 50, 93.050,
333.724

■ 50, 92.937,
333.726

■ 51, 91.612,
333.142

■ 52, 88.023,
332.578

■ 55, 81.820,
332.018

■ 58, 73.275,
331.448

■ 62, 62.879,
330.864

■ 66, 51.185,
330.266

■ 71, 38.696,
329.660

■ 76, 25.821,
329.053

■ 81, 12.857,

Harmonies

Complementary

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



50, 93.050, 333.724



76, 103.312, 137.041

Rectangle

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



50, 93.050, 333.724



50, 93.050, 23.724



50, 93.050, 153.724



50, 93.050, 203.724

Sweetspot

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



50, 92.937, 333.726



82, 44.160, 329.677



27, 117.633, 306.651



41, 30.053, 329.935



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, 92.937, 333.726



59, 105.010, 333.784



46, 75.365, 13.907



42, 7.227, 328.408



39, 77.971, 333.626



6, 30.184, 332.362

Inverse Universe

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



50, 92.937, 333.726



59, 105.010, 333.784



77, 69.503, 155.583



42, 7.227, 328.408



39, 77.971, 333.626



6, 30.184, 332.362

Previews

White Background



This preview shows how the CIELCh color 50, 93.050, 333.724 looks on a white background.

Color Contrast Check

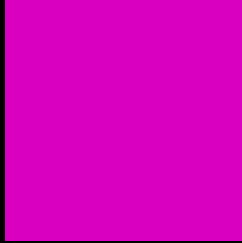
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.050, 333.724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

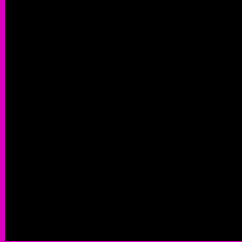
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 93.050, 333.724

Background



This preview shows how black text looks on a background with the CIELCh color 50, 93.050, 333.724.



This preview shows how white text looks on a background with the CIELCh color 50, 93.050, 333.724.

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, 93.050, 333.724

Protanopia

51, 75.667, 287.391

Deuteranopia

51, 34.847, 281.940



Tritanopia
50, 58.109, 26.382

Trichromacy



Original Color
50, 93.050, 333.724



Protanomaly
41, 90.506, 301.839



Deuteranomaly
44, 65.266, 314.649



Tritanomaly
48, 66.372, 358.731

Monochromacy



Original Color
50, 93.050, 333.724



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 49.386, 331.050

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 93.050, 333.724 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(217, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 191)  
}
```

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(217, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 93.050, 333.724 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(217, 0, 191) }
```

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

```
.border{ border-color:rgb(217, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 93.050, 333.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 191) }
```

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

```
.background{ background-color: rgb(217, 0,  
191) }
```

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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