

Converting Colors

CIELCh(49, 94.142, 331.800)

Have a look what the booklet for
CIELCh(49, 94.142, 331.800)
contains.

CIELCh(49, 93.992, 331.757)	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(49, 93.992, 331.757)

Conversions

Conversions Part 1

Format	Color
Hex	D200C1
RGB	210, 0, 193
RGB Percent	82%, 0%, 76%
CMY	0.1747, 1.0000, 0.2412
CMYK	0.00, 1.00, 0.08, 0.17
HSL	305°, 100%, 41%
HSV	305°, 100%, 83%
XYZ	36.3628, 17.5941, 52.2162
YIQ	84.7920, 63.2070, 104.5430

Conversions

Conversions Part 2

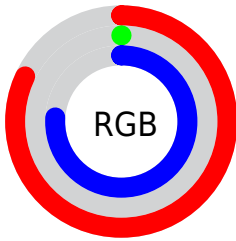
Format	Color
R_{YB}	210, 0, 193
Decimal	13762753
CIE _{Lab}	49.00, 82.80, -44.48
CIE _{LCh}	49, 93.992, 331.757
Yxy	17.5941, 0.3425, 0.1657
Android (android.graphics.Color)	4291952833 (0xFFD200C1)
YUV	84.7920, 53.3465, 109.8074
Hunter-Lab	41.9453, 81.3391, -44.4463

Details

The CIELCh color **49, 93.992, 331.757** 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 **74, 102.130, 136.615**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 92.501, 328.566**, and **35, 73.516, 331.613** is the 20% darker color. If you saturate the color by 10%, you get **49, 93.806, 331.757**, and if you desaturate by 10%, it is **50, 92.220, 331.369**.

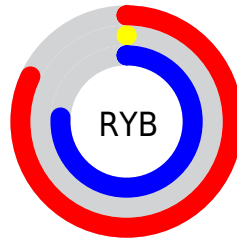
Distribution



Red (82%)

Green (0%)

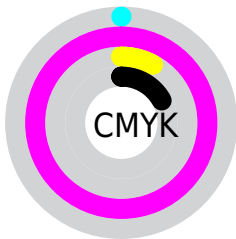
Blue (76%)



Red (82%)

Yellow (0%)

Blue (76%)

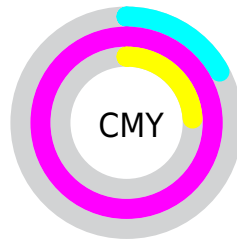


Cyan (0%)

Magenta (100%)

Yellow (8%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 93.992, 331.757 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 49, 93.992, 331.757 by changing the saturation by 10% instead.


 49, 93.992,
331.757


 49, 93.992,
331.757


 100, 93.992,
331.757


 39, 93.992,
331.757

 69, 93.992,
331.757


 29, 93.992,
331.757

 79, 93.992,
331.757

 19, 93.992,
331.757

 89, 93.992,
331.757

 9, 93.992, 331.757

 99, 93.992,
331.757

 0, 93.992, 331.757

 49, 93.992,

 49, 93.992,

331.757

■ 49, 93.806,
331.757

331.757

■ 50, 92.220,
331.369

■ 51, 88.444,
330.961

■ 53, 82.120,
330.521

■ 56, 73.504,
330.041

■ 60, 63.066,
329.523

■ 64, 51.340,
328.976

■ 69, 38.821,
328.407

■ 74, 25.910,
327.826

■ 79, 12.904,
327.239

Harmonies

Complementary

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



49, 93.992, 331.757



74, 102.130, 136.615

Rectangle

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



49, 93.992, 331.757



49, 93.992, 21.757



49, 93.992, 151.757



49, 93.992, 201.757

Sweetspot

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



49, 93.806, 331.757



82, 45.360, 328.426



26, 115.445, 306.460



41, 30.867, 328.670



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 93.806, 331.757



59, 108.350, 331.800



45, 73.107, 8.908



41, 7.281, 327.203



39, 79.507, 331.698



5, 29.255, 330.601

Inverse Universe

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



49, 93.806, 331.757



59, 108.350, 331.800



75, 72.002, 152.537



41, 7.281, 327.203



39, 79.507, 331.698



5, 29.255, 330.601

Previews

White Background



This preview shows how the CIELCh color 49, 93.992, 331.757 looks on a white background.

Color Contrast Check

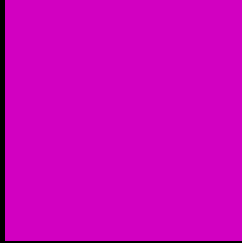
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 49, 93.992, 331.757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

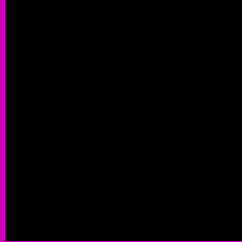
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 93.992, 331.757

Background



This preview shows how black text looks on a background with the CIELCh color 49, 93.992, 331.757.

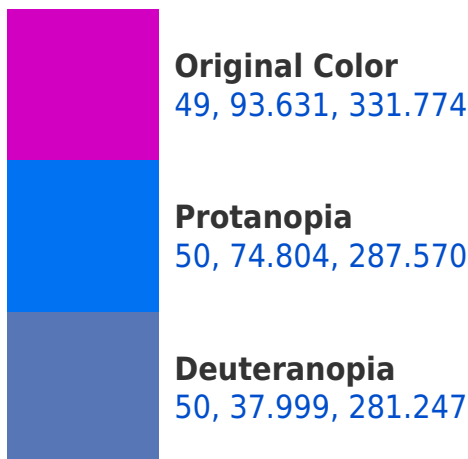


This preview shows how white text looks on a background with the CIELCh color 49, 93.992, 331.757.

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
49, 54.533, 25.111

Trichromacy



Original Color
49, 93.631, 331.774



Protanomaly
41, 89.571, 301.730



Deuteranomaly
43, 67.235, 312.447



Tritanomaly
47, 64.883, 355.905

Monochromacy



Original Color
49, 93.631, 331.774



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 49.130, 330.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 93.992, 331.757 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(210, 0, 193)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 193)  
}
```

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(210, 0, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 93.992, 331.757 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(210, 0, 193) }
```

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

```
.border{ border-color:rgb(210, 0, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 93.992, 331.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 193) }
```

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

```
.background{ background-color: rgb(210, 0,  
193) }
```

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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