

Converting Colors

CIELCh(48, 105.162, 323.053)

Have a look what the booklet for
CIELCh(48, 105.162, 323.053)
contains.

CIELCh(48, 105.166, 322.974)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(48, 105.166, 322.974)

Conversions

Conversions Part 1

Format	Color
Hex	C105DF
RGB	193, 5, 223
RGB Percent	76%, 2%, 87%
CMY	0.2425, 0.9819, 0.1249
CMYK	0.13, 0.98, 0.00, 0.12
HSL	292°, 96%, 45%
HSV	292°, 98%, 88%
XYZ	35.4237, 16.7945, 71.2968
YIQ	86.0640, 42.0700, 107.6540

Conversions

Conversions Part 2

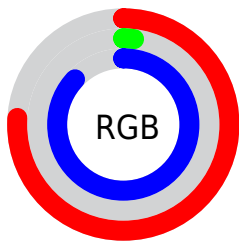
Format	Color
R_{YB}	193, 5, 223
Decimal	12649951
CIE _{Lab}	48.00, 83.96, -63.33
CIE _{LCh}	48, 105.166, 322.974
Yxy	16.7945, 0.2868, 0.1360
Android (android.graphics.Color)	4290840031 (0xFFC105DF)
YUV	86.0640, 67.5094, 93.7829
Hunter-Lab	40.9810, 82.5772, -74.4631

Details

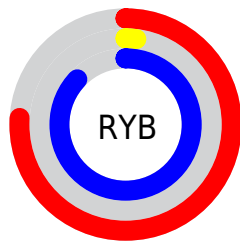
The CIELCh color $48, 105.166, 322.974$ is a dark color, and the websafe version is hex `CC33FF`. The color can be described as middle washed magenta. A complement of this color would be $78, 106.775, 135.351$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $67, 94.362, 327.397$, and $34, 85.732, 320.841$ is the 20% darker color. If you saturate the color by 10%, you get $48, 105.626, 322.903$, and if you desaturate by 10%, it is $49, 102.203, 323.273$.

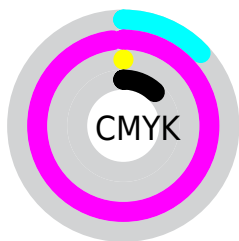
Distribution



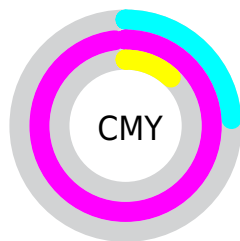
- Red (76%)
- Green (2%)
- Blue (87%)



- Red (76%)
- Yellow (2%)
- Blue (87%)



- Cyan (13%)
- Magenta (98%)
- Yellow (0%)
- Black (12%)





- Cyan (24%)
- Magenta (98%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 105.166, 322.974 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, 105.166, 322.974 by changing the saturation by 10% instead.


 48, 105.166,
322.974


 48, 105.166,
322.974


 100, 105.166,
322.974


 38, 105.166,
322.974


 68, 105.166,
322.974


 28, 105.166,
322.974


 78, 105.166,
322.974

 18, 105.166,
322.974

 88, 105.166,
322.974

 8, 105.166,
322.974

 98, 105.166,
322.974


 0, 105.166,
322.974


 48, 105.166,


 48, 105.166,


322.974


322.974

 48, 105.626,
322.903


 49, 102.203,
323.273


 52, 96.544,
323.387

 55, 88.216,
323.324

 58, 77.682,
323.115

 63, 65.541,
322.796

 68, 52.371,
322.399

 73, 38.651,
321.955

 79, 24.735,
321.486

■ 84, 10.870,
321.002

Harmonies

Complementary

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



48, 105.166, 322.974



78, 106.775, 135.351

Rectangle

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



48, 105.166, 322.974



48, 105.166, 12.974



48, 105.166, 142.974



48, 105.166, 192.974

Sweetspot

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



48, 105.164, 322.974



82, 44.711, 322.014



31, 110.317, 303.755



41, 30.664, 322.207



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, 105.164, 322.974



54, 116.841, 322.865



49, 80.758, 348.572



44, 7.822, 321.077



37, 88.421, 322.983



6, 35.670, 323.578

Inverse Universe

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



47, 86.904, 33.489



53, 97.944, 34.757



78, 91.845, 142.911



44, 4.797, 8.918



37, 73.192, 33.562



6, 25.307, 15.142

Previews

White Background



This preview shows how the CIELCh color 48, 105.166, 322.974 looks on a white background.

Color Contrast Check

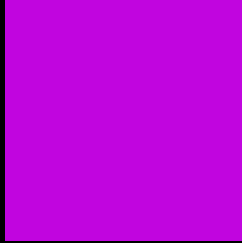
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.166, 322.974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

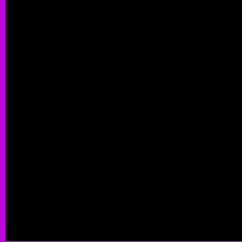
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 105.166, 322.974

Background



This preview shows how black text looks on a background with the CIELCh color 48, 105.166, 322.974.



This preview shows how white text looks on a background with the CIELCh color 48, 105.166,

322.974.

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, 105.073, 322.967

Protanopia

49, 72.857, 287.382

Deuteranopia

49, 54.933, 277.637



Tritanopia
48, 38.704, 20.045

Trichromacy



Original Color
48, 105.073, 322.967



Protanomaly
41, 94.074, 301.479



Deuteranomaly
40, 82.541, 299.912



Tritanomaly
45, 61.016, 341.653

Monochromacy



Original Color
48, 105.073, 322.967



Achromatopsia
37, 0.005, 296.813



Achromatomaly
36, 52.841, 323.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 105.166, 322.974 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(193, 5, 223)` looks like.

```
.text, #text, p{  
    color:rgb(193, 5, 223)  
}
```

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(193, 5, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 5, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 105.166, 322.974 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(193, 5, 223) }
```

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

```
.border{ border-color:rgb(193, 5, 223) }
```

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

Here you see how a box with a 4 pixel rgb(193, 5, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 5, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 5, 223);  
box-shadow:4px 4px 4px 4px rgb(193, 5,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 105.166, 322.974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 5, 223) }
```

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

```
.background{ background-color: rgb(193, 5,  
223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor