

Converting Colors

CIELCh(50, 87.077, 327.973)

Have a look what the booklet for
CIELCh(50, 87.077, 327.973)
contains.

CIELCh(50, 87.131, 327.917)	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, 87.131, 327.917)

Conversions

Conversions Part 1

Format	Color
Hex	C730C7
RGB	199, 48, 199
RGB Percent	78%, 19%, 78%
CMY	0.2191, 0.8111, 0.2191
CMYK	0.00, 0.76, 0.00, 0.22
HSL	300°, 61%, 48%
HSV	300°, 76%, 78%
XYZ	34.9780, 18.4187, 55.8239
YIQ	110.3630, 41.5250, 78.9730

Conversions

Conversions Part 2

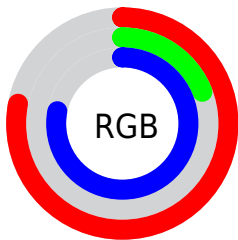
Format	Color
R_{YB}	199, 48, 199
Decimal	13054151
CIE _{Lab}	50.00, 73.82, -46.28
CIE _{LCh}	50, 87.131, 327.917
Yxy	18.4187, 0.3203, 0.1686
Android (android.graphics.Color)	4291244231 (0xFFC730C7)
YUV	110.3630, 43.6980, 77.7346
Hunter-Lab	42.9170, 70.3755, -47.0791

Details

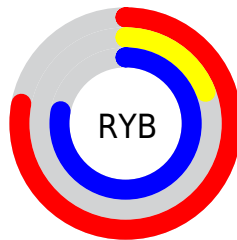
The CIELCh color **50, 87.131, 327.917** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **71, 89.081, 137.530**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 86.147, 327.332**, and **33, 75.573, 327.427** is the 20% darker color. If you saturate the color by 10%, you get **48, 92.332, 328.106**, and if you desaturate by 10%, it is **52, 79.565, 327.638**.

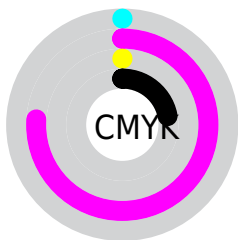
Distribution



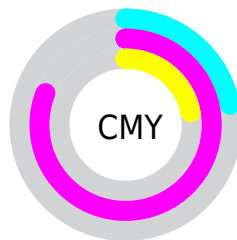
- Red (78%)
- Green (19%)
- Blue (78%)



- Red (78%)
- Yellow (19%)
- Blue (78%)



- Cyan (0%)
- Magenta (76%)
- Yellow (0%)
- Black (22%)





- Cyan (22%)
- Magenta (81%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 87.131, 327.917 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, 87.131, 327.917 by changing the saturation by 10% instead.


 50, 87.131,
327.917


 50, 87.131,
327.917


 100, 87.131,
327.917


 40, 87.131,
327.917


 70, 87.131,
327.917

 30, 87.131,
327.917


 80, 87.131,
327.917


 20, 87.131,
327.917

 90, 87.131,
327.917

 10, 87.131,
327.917

 0, 87.131, 327.917

 50, 87.131,
327.917

 50, 87.131,
327.917

48, 92.332,
328.106

52, 79.565,
327.638

48, 95.143,
328.207

55, 69.967,
327.275

47, 95.930,
328.235

59, 58.810,
326.843

63, 46.592,
326.358

68, 33.757,
325.837

72, 20.657,
325.293

77, 7.550, 324.726

82, 5.389, 144.267

88, 18.049,
143.705

Harmonies

Complementary

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



50, 87.131, 327.917



71, 89.081, 137.530

Rectangle

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



50, 87.131, 327.917



50, 87.131, 17.917



50, 87.131, 147.917



50, 87.131, 197.917

Sweetspot

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



50, 87.129, 327.917



86, 36.784, 325.704



32, 91.908, 303.007



44, 25.445, 325.901



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, 87.129, 327.917



61, 113.743, 328.181



47, 64.166, 354.044



39, 7.382, 324.934



39, 82.756, 328.235



4, 26.740, 327.028

Inverse Universe

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



50, 87.129, 327.917



61, 113.743, 328.181



72, 61.923, 154.157



39, 7.382, 324.934



39, 82.756, 328.235



4, 26.740, 327.028

Previews

White Background



This preview shows how the CIELCh color 50, 87.131, 327.917 looks on a white background.

Color Contrast Check

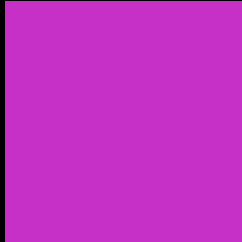
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 87.131, 327.917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

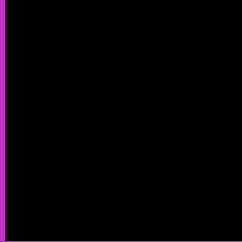
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 87.131, 327.917

Background



This preview shows how black text looks on a background with the CIELCh color 50, 87.131, 327.917.

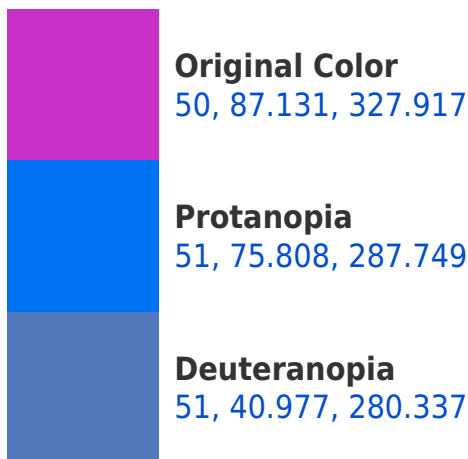


This preview shows how white text looks on a background with the CIELCh color 50, 87.131, 327.917.

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
50, 43.418, 21.312

Trichromacy



Original Color
50, 87.131, 327.917



Protanomaly
45, 80.722, 297.284



Deuteranomaly
47, 58.997, 306.072



Tritanomaly
49, 53.310, 351.117

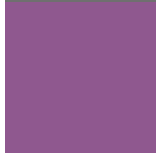
Monochromacy



Original Color
50, 87.131, 327.917



Achromatopsia
47, 0.006, 296.813



Achromatomaly
45, 38.143, 326.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 87.131, 327.917 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(199, 48, 199)` looks like.

```
.text, #text, p{  
    color:rgb(199, 48, 199)  
}
```

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(199, 48, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 48, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 87.131, 327.917 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(199, 48, 199) }
```

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

```
.border{ border-color:rgb(199, 48, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 48, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 48, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 48, 199);  
box-shadow:4px 4px 4px 4px rgb(199, 48,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 87.131, 327.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 48, 199) }
```

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

```
.background{ background-color: rgb(199, 48,  
199) }
```

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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