

# Converting Colors

CIELCh(43, 79.117, 338.776)

Have a look what the booklet for  
CIELCh(43, 79.117, 338.776)  
contains.

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**Color**

**CIELCh(43, 78.682, 338.830)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BE0096
RGB	190, 0, 150
RGB Percent	75%, 0%, 59%
CMY	0.2547, 0.9994, 0.4116
CMYK	0.00, 1.00, 0.21, 0.25
HSL	313°, 100%, 37%
HSV	313°, 100%, 75%
XYZ	26.7539, 13.1578, 29.9981
YIQ	73.9100, 65.0900, 86.9300

# Conversions

## Conversions Part 2

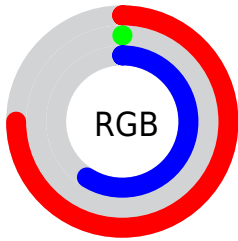
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 0, 150
Decimal	12451990
CIE <sub>Lab</sub>	43.00, 73.37, -28.41
CIE <sub>LCh</sub>	43, 78.682, 338.830
Yxy	13.1578, 0.3827, 0.1882
Android (android.graphics.Color)	4290642070 (0xFFBE0096)
YUV	73.9100, 37.5124, 101.8109
Hunter-Lab	36.2736, 68.1753, -23.6409

# Details

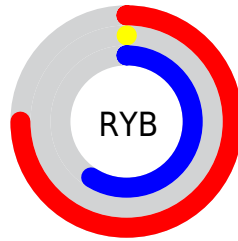
The CIELCh color **43, 78.682, 338.830** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **67, 89.854, 138.771**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 78.785, 338.612**, and **29, 58.828, 340.901** is the 20% darker color. If you saturate the color by 10%, you get **43, 78.685, 338.839**, and if you desaturate by 10%, it is **44, 77.649, 337.709**.

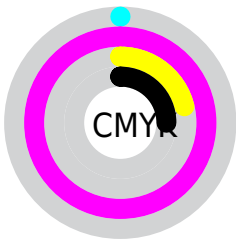
# Distribution



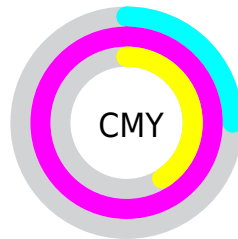
- Red (75%)
- Green (0%)
- Blue (59%)



- Red (75%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 78.682, 338.830 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 43, 78.682, 338.830 by changing the saturation by 10% instead.





 43, 78.682,  
338.830


 43, 78.682,  
338.830


 100, 78.682,  
338.830

 33, 78.682,  
338.830

 63, 78.682,  
338.830


 23, 78.682,  
338.830

 73, 78.682,  
338.830

 13, 78.682,  
338.830

 83, 78.682,  
338.830

 3, 78.682, 338.830

 93, 78.682,  
338.830

 0, 78.682, 338.830

 43, 78.682,

 43, 78.682,

338.830

338.830

■ 43, 78.685,  
338.839

■ 44, 77.649,  
337.709

■ 45, 74.653,  
336.715

■ 48, 69.355,  
335.831

■ 51, 62.036,  
335.021

■ 54, 53.153,  
334.260

■ 58, 43.195,  
333.533

■ 63, 32.598,  
332.833

■ 67, 21.703,  
332.155

■ 72, 10.757,  
331.494

# Harmonies

# Complementary

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



43, 78.682, 338.830



67, 89.854, 138.771

# Rectangle

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



43, 78.682, 338.830



43, 78.682, 28.830



43, 78.682, 158.830



43, 78.682, 208.830

# Sweetspot

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



43, 78.679, 338.830



79, 40.474, 332.871



24, 105.639, 307.242



40, 27.780, 333.168



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



43, 78.679, 338.830



56, 95.676, 339.052



40, 70.310, 21.197



37, 6.105, 331.456



36, 68.814, 338.659



3, 17.444, 334.786



# Inverse Universe

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



43, 78.679, 338.830



56, 95.676, 339.052



68, 56.647, 161.824



37, 6.105, 331.456



36, 68.814, 338.659



3, 17.444, 334.786



# Previews

## White Background



This preview shows how the CIELCh color 43, 78.682, 338.830 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 43, 78.682, 338.830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

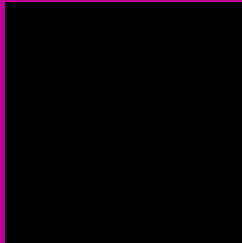
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 43, 78.682, 338.830**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 43, 78.682, 338.830.

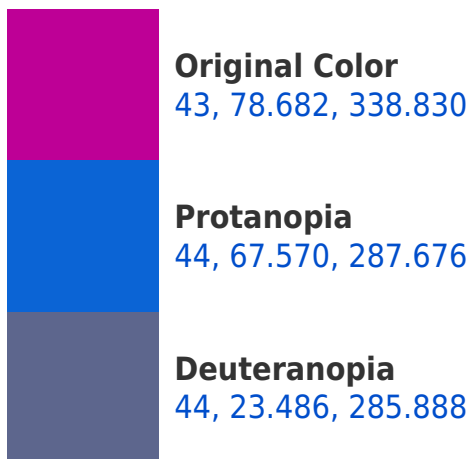


This preview shows how white text looks on a background with the CIELCh color 43, 78.682, 338.830.

# 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**  
44, 56.651, 27.937

# Trichromacy



**Original Color**  
43, 78.682, 338.830



**Protanomaly**  
36, 76.703, 302.599



**Deuteranomaly**  
39, 51.593, 320.950



**Tritanomaly**  
42, 60.727, 4.678

# Monochromacy



**Original Color**  
43, 78.682, 338.830



**Achromatopsia**  
31, 0.005, 296.813



**Achromatomaly**  
31, 41.748, 334.468

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 43, 78.682, 338.830 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(190, 0, 150)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 150)  
}
```

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(190, 0, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 150) }
```

## Border

The CSS property to change the border of an element to CIELCh 43, 78.682, 338.830 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(190, 0, 150) }
```

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

```
.border{ border-color:rgb(190, 0, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 150);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
150) }
```

# Background

The CSS property to change the background color of an element to CIELCh 43, 78.682, 338.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 150) }
```

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

```
.background{ background-color: rgb(190, 0,  
150) }
```

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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