

Converting Colors

CIELCh(51, 87.168, 341.620)

Have a look what the booklet for
CIELCh(51, 87.168, 341.620)
contains.

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Color

CIELCh(51, 87.065, 341.668)

Conversions

Conversions Part 1

Format	Color
Hex	E301AA
RGB	227, 1, 170
RGB Percent	89%, 0%, 67%
CMY	0.1096, 0.9951, 0.3332
CMYK	0.00, 0.99, 0.25, 0.11
HSL	315°, 99%, 45%
HSV	315°, 99%, 89%
XYZ	38.9666, 19.2686, 39.7171
YIQ	87.8400, 80.4470, 100.4710

Conversions

Conversions Part 2

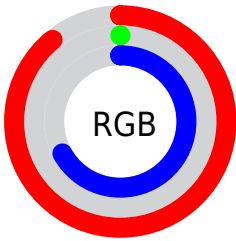
Format	Color
R_{YB}	227, 1, 170
Decimal	14877098
CIE _{Lab}	51.00, 82.65, -27.38
CIE _{LCh}	51, 87.065, 341.668
Yxy	19.2686, 0.3978, 0.1967
Android (android.graphics.Color)	4293067178 (0xFFE301AA)
YUV	87.8400, 40.5049, 122.0433
Hunter-Lab	43.8960, 81.6369, -22.9183

Details

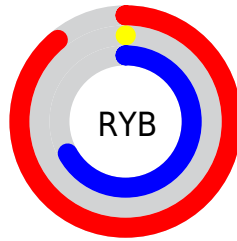
The CIELCh color **51, 87.065, 341.668** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **79, 100.543, 139.634**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **66, 82.410, 334.092**, and **37, 67.247, 344.360** is the 20% darker color. If you saturate the color by 10%, you get **51, 87.079, 341.752**, and if you desaturate by 10%, it is **52, 86.319, 340.190**.

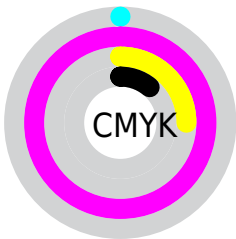
Distribution



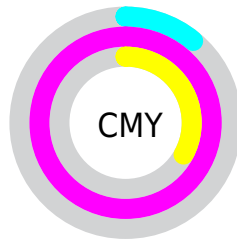
- Red (89%)
- Green (0%)
- Blue (67%)



- Red (89%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (99%)
- Yellow (25%)
- Black (11%)



- Cyan (11%)
- Magenta (100%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 87.065, 341.668 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 51, 87.065, 341.668 by changing the saturation by 10% instead.

 51, 87.065,
341.668

 51, 87.065,
341.668

 100, 87.065,
341.668

 41, 87.065,
341.668

 71, 87.065,
341.668

 31, 87.065,
341.668

 81, 87.065,
341.668

 21, 87.065,
341.668

 91, 87.065,
341.668

 11, 87.065,
341.668

 1, 87.065, 341.668

 0, 87.065, 341.668

■ 51, 87.065,
341.668

■ 51, 87.065,
341.668

■ 51, 87.079,
341.752

■ 52, 86.319,
340.190

■ 54, 83.159,
338.929

■ 56, 77.325,
337.847

■ 60, 69.146,
336.889

■ 64, 59.162,
336.018

■ 69, 47.953,
335.209

■ 74, 36.027,
334.446

■ 79, 23.779,

333.720

■ 85, 11.493,
333.019

Harmonies

Complementary

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



51, 87.065, 341.668



79, 100.543, 139.634

Rectangle

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



51, 87.065, 341.668



51, 87.065, 31.668



51, 87.065, 161.668



51, 87.065, 211.668

Sweetspot

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



51, 87.061, 341.668



81, 40.308, 334.501



31, 119.800, 307.630



41, 27.447, 334.821



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 87.061, 341.668



57, 94.959, 341.864



48, 82.718, 26.014



45, 6.964, 333.019



40, 72.944, 341.482



8, 31.445, 338.961

Inverse Universe

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



51, 87.061, 341.668



57, 94.959, 341.864



81, 60.835, 165.890



45, 6.964, 333.019



40, 72.944, 341.482



8, 31.445, 338.961

Previews

White Background



This preview shows how the CIELCh color 51, 87.065, 341.668 looks on a white background.

Color Contrast Check

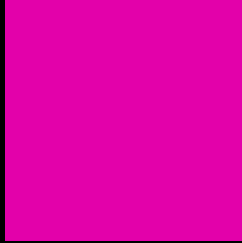
Large Text (above 18pt) WCAG AA ✓ Pass

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 51, 87.065, 341.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

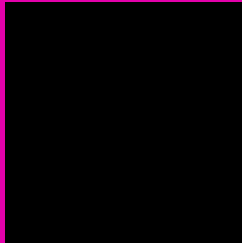
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 87.065, 341.668

Background



This preview shows how black text looks on a background with the CIELCh color 51, 87.065, 341.668.



This preview shows how white text looks on a background with the CIELCh color 51, 87.065, 341.668.

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

51, 87.065, 341.668

Protanopia

52, 71.358, 287.718

Deuteranopia

52, 22.131, 288.425



Tritanopia
51, 67.465, 29.035

Trichromacy



Original Color
51, 87.065, 341.668



Protanomaly
44, 82.577, 305.936



Deuteranomaly
46, 56.015, 324.641



Tritanomaly
50, 70.267, 7.644

Monochromacy



Original Color
51, 87.065, 341.668



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 46.839, 336.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 87.065, 341.668 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(227, 1, 170)` looks like.

```
.text, #text, p{  
    color:rgb(227, 1, 170)  
}
```

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(227, 1, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 1, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 87.065, 341.668 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(227, 1, 170) }
```

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

```
.border{ border-color:rgb(227, 1, 170) }
```

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

Here you see how a box with a 4 pixel rgb(227, 1, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 1, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 1, 170);  
box-shadow:4px 4px 4px 4px rgb(227, 1,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 87.065, 341.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 1, 170) }
```

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

```
.background{ background-color: rgb(227, 1,  
170) }
```

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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