

Converting Colors

CIELCh(52, 85.014, 348.392)

Have a look what the booklet for
CIELCh(52, 85.014, 348.392)
contains.

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Color

CIELCh(52, 84.771, 348.276)

Conversions

Conversions Part 1

Format	Color
Hex	EC009C
RGB	236, 0, 156
RGB Percent	93%, 0%, 61%
CMY	0.0757, 1.0000, 0.3893
CMYK	0.00, 1.00, 0.34, 0.08
HSL	320°, 100%, 46%
HSV	320°, 100%, 92%
XYZ	40.4538, 20.1443, 33.0913
YIQ	88.3480, 90.5800, 98.5480

Conversions

Conversions Part 2

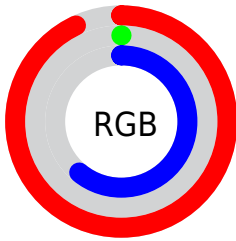
Format	Color
R_{YB}	236, 0, 156
Decimal	15466652
CIE _{Lab}	52.00, 83.00, -17.23
CIE _{LCh}	52, 84.771, 348.276
Yxy	20.1443, 0.4318, 0.2150
Android (android.graphics.Color)	4293656732 (0xFFEC009C)
YUV	88.3480, 33.3524, 129.4908
Hunter-Lab	44.8824, 82.3427, -12.2961

Details

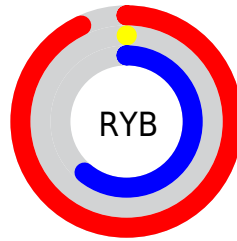
The CIELCh color **52, 84.771, 348.276** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **82, 97.824, 142.067**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 77.004, 338.400**, and **38, 65.768, 352.452** is the 20% darker color. If you saturate the color by 10%, you get **52, 84.676, 348.294**, and if you desaturate by 10%, it is **53, 84.171, 345.994**.

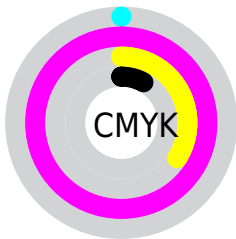
Distribution



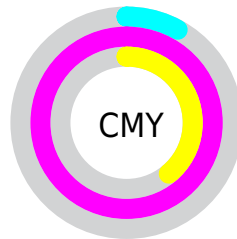
- Red (93%)
- Green (0%)
- Blue (61%)



- Red (93%)
- Yellow (0%)
- Blue (61%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 84.771, 348.276 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 52, 84.771, 348.276 by changing the saturation by 10% instead.

 52, 84.771,
348.276

 52, 84.771,
348.276

 100, 84.771,
348.276

 42, 84.771,
348.276


 72, 84.771,
348.276

 32, 84.771,
348.276

 82, 84.771,
348.276

 22, 84.771,
348.276

 92, 84.771,
348.276

 12, 84.771,
348.276

 2, 84.771, 348.276

 0, 84.771, 348.276

■ 52, 84.771,
348.276

■ 52, 84.771,
348.276

■ 52, 84.676,
348.294

■ 53, 84.171,
345.994

■ 55, 81.327,
344.093

■ 58, 75.796,
342.538

■ 61, 67.900,
341.235

■ 65, 58.191,
340.111

■ 70, 47.264,
339.114

■ 76, 35.641,
338.212

■ 81, 23.720,

337.381

■ 87, 11.782,
336.598

Harmonies

Complementary

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



52, 84.771, 348.276



82, 97.824, 142.067

Rectangle

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



52, 84.771, 348.276



52, 84.771, 38.276



52, 84.771, 168.276



52, 84.771, 218.276

Sweetspot

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



52, 84.676, 348.294



81, 37.990, 338.223



33, 121.852, 308.638



41, 25.884, 338.596



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 84.676, 348.294



56, 89.801, 348.411



49, 90.280, 32.704



46, 6.665, 336.557



40, 69.724, 347.840



8, 30.779, 344.098

Inverse Universe

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



52, 84.676, 348.294



56, 89.801, 348.411



84, 56.342, 174.078



46, 6.665, 336.557



40, 69.724, 347.840



8, 30.779, 344.098

Previews

White Background



This preview shows how the CIELCh color 52, 84.771, 348.276 looks on a white background.

Color Contrast Check

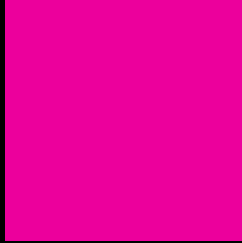
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 84.771, 348.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

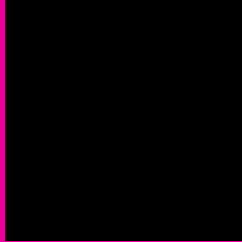
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 84.771, 348.276

Background



This preview shows how black text looks on a background with the CIELCh color 52, 84.771, 348.276.



This preview shows how white text looks on a background with the CIELCh color 52, 84.771, 348.276.

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

52, 84.771, 348.276

Protanopia

53, 57.977, 286.486

Deuteranopia

53, 12.999, 301.725



Tritanopia
53, 74.396, 30.867

Trichromacy



Original Color
52, 84.771, 348.276



Protanomaly
45, 72.271, 311.513



Deuteranomaly
47, 51.189, 334.515



Tritanomaly
51, 74.483, 13.217

Monochromacy



Original Color
52, 84.771, 348.276



Achromatopsia
37, 0.005, 296.813



Achromatomaly
37, 45.672, 340.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 84.771, 348.276 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(236, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(236, 0, 156)  
}
```

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(236, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 0, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 84.771, 348.276 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(236, 0, 156) }
```

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

```
.border{ border-color:rgb(236, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(236, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(236, 0,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 84.771, 348.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 0, 156) }
```

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

```
.background{ background-color: rgb(236, 0,  
156) }
```

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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