

Converting Colors

CIELCh(52, 81.976, 9.522)

Have a look what the booklet for
CIELCh(52, 81.976, 9.522) contains.

CIELCh(52, 81.787, 9.687)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(52, 81.787, 9.687)

Conversions

Conversions Part 1

Format	Color
Hex	F40069
RGB	244, 0, 105
RGB Percent	96%, 0%, 41%
CMY	0.0447, 1.0000, 0.5894
CMYK	0.00, 1.00, 0.57, 0.04
HSL	334°, 100%, 48%
HSV	334°, 100%, 96%
XYZ	39.6901, 20.1443, 15.0811
YIQ	84.9260, 111.7190, 84.3830

Conversions

Conversions Part 2

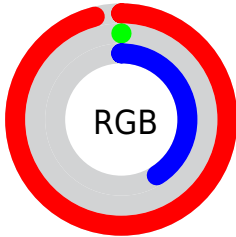
Format	Color
R_YB	244, 0, 105
Decimal	15990889
CIE Lab	52.00, 80.62, 13.76
CIE LCh	52, 81.787, 9.687
Yxy	20.1443, 0.5298, 0.2689
Android (android.graphics.Color)	4294180969 (0xFFFF40069)
YUV	84.9260, 9.8965, 139.5079
Hunter-Lab	44.8824, 79.3056, 11.4955

Details

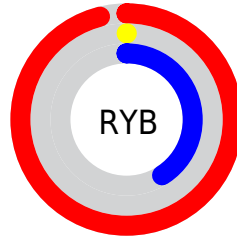
The CIELCh color **52, 81.787, 9.687** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **85, 80.406, 152.528**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.334, 359.939**, and **38, 66.656, 18.446** is the 20% darker color. If you saturate the color by 10%, you get **52, 81.691, 9.734**, and if you desaturate by 10%, it is **53, 79.594, 4.975**.

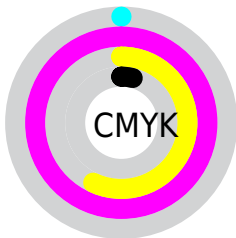
Distribution



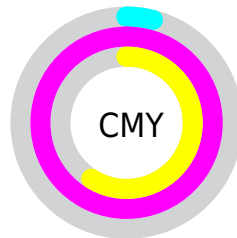
- Red (96%)
- Green (0%)
- Blue (41%)



- Red (96%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 81.787, 9.687 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, 81.787, 9.687 by changing the saturation by 10% instead.

 52, 81.787, 9.687  52, 81.787, 9.687

 100, 81.787, 9.687  42, 81.787, 9.687

 72, 81.787, 9.687  32, 81.787, 9.687

 82, 81.787, 9.687  22, 81.787, 9.687

 92, 81.787, 9.687  12, 81.787, 9.687

 2, 81.787, 9.687

 0, 81.787, 9.687

 52, 81.787, 9.687  52, 81.787, 9.687

 52, 81.691, 9.734  53, 79.594, 4.975

 55, 75.811, 1.061

■ 58, 69.867,
357.978

■ 62, 61.978,
355.548

■ 67, 52.639,
353.601

■ 72, 42.396,
352.003

■ 78, 31.721,
350.659

■ 83, 20.960,
349.499

■ 90, 10.344,
348.466

Harmonies

Complementary

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



52, 81.787, 9.687



85, 80.406, 152.528

Rectangle

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



52, 81.787, 9.687



52, 81.787, 59.687



52, 81.787, 189.687



52, 81.787, 239.687

Sweetspot

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



52, 81.691, 9.734



81, 32.920, 350.668



41, 119.014, 313.327



40, 22.503, 351.211



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, 81.691, 9.734



54, 84.582, 9.872



51, 100.151, 40.532



48, 5.898, 348.415



40, 66.699, 8.801



9, 29.769, 1.533

Inverse Universe

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



52, 81.691, 9.734



54, 84.582, 9.872



83, 44.398, 207.941



48, 5.898, 348.415



40, 66.699, 8.801



9, 29.769, 1.533

Previews

White Background



This preview shows how the CIELCh color 52, 81.787, 9.687 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, 81.787, 9.687 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, 81.787, 9.687

Background



This preview shows how black text looks on a background with the CIELCh color 52, 81.787, 9.687.

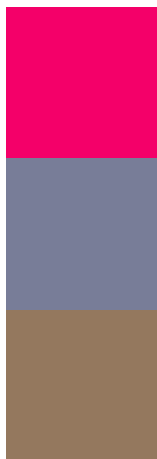


This preview shows how white text looks on a background with the CIELCh color 52, 81.787, 9.687.

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, 81.787, 9.687

Protanopia

53, 15.699, 285.513

Deuteranopia

52, 19.693, 69.073



Tritanopia
52, 88.376, 35.654

Trichromacy



Original Color
52, 81.787, 9.687



Protanomaly
46, 44.446, 340.832



Deuteranomaly
47, 46.274, 11.719



Tritanomaly
52, 84.592, 26.689

Monochromacy



Original Color
52, 81.787, 9.687



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 41.631, 355.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 81.787, 9.687 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(244, 0, 105)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 105)  
}
```

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(244, 0, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 81.787, 9.687 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(244, 0, 105) }
```

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

```
.border{ border-color:rgb(244, 0, 105) }
```

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

Here you see how a box with a 4 pixel rgb(244, 0, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 105);  
box-shadow:4px 4px 4px 4px rgb(244, 0,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 81.787, 9.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 105) }
```

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

```
.background{ background-color: rgb(244, 0,  
105) }
```

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