

Converting Colors

CIELCh(52, 80.990, 1.184)

Have a look what the booklet for
CIELCh(52, 80.990, 1.184) contains.

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Color

CIELCh(52, 80.855, 1.255)

Conversions

Conversions Part 1

Format	Color
Hex	F0047C
RGB	240, 4, 124
RGB Percent	94%, 2%, 49%
CMY	0.0574, 0.9827, 0.5126
CMYK	0.00, 0.98, 0.48, 0.06
HSL	330°, 96%, 48%
HSV	330°, 98%, 94%
XYZ	39.7586, 20.1443, 20.9548
YIQ	88.2440, 102.1360, 87.3520

Conversions

Conversions Part 2

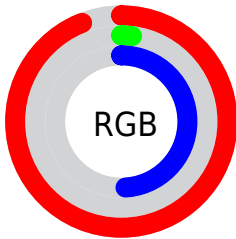
Format	Color
RYB	240, 4, 124
Decimal	15729788
CIELab	52.00, 80.84, 1.77
CIElCh	52, 80.855, 1.255
Yxy	20.1443, 0.4917, 0.2491
Android (android.graphics.Color)	4293919868 (0xFFFF0047C)
YUV	88.2440, 17.6277, 133.0900
Hunter-Lab	44.8824, 79.5779, 3.7363

Details

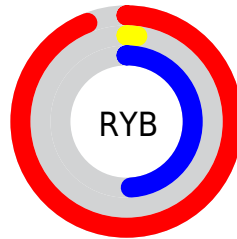
The CIELCh color **52, 80.855, 1.255** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **84, 85.661, 148.742**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 67.930, 351.171**, and **38, 64.241, 8.642** is the 20% darker color. If you saturate the color by 10%, you get **52, 81.034, 2.013**, and if you desaturate by 10%, it is **53, 79.436, 357.391**.

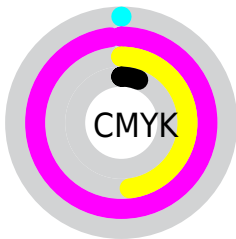
Distribution



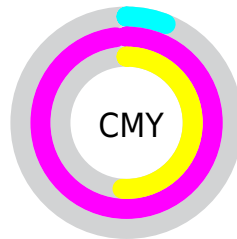
- Red (94%)
- Green (2%)
- Blue (49%)



- Red (94%)
- Yellow (2%)
- Blue (49%)



- Cyan (0%)
- Magenta (98%)
- Yellow (48%)
- Black (6%)



- Cyan (6%)
- Magenta (98%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 80.855, 1.255 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, 80.855, 1.255 by changing the saturation by 10% instead.

 52, 80.855, 1.255  52, 80.855, 1.255

 100, 80.855, 1.255  42, 80.855, 1.255

 72, 80.855, 1.255  32, 80.855, 1.255

 82, 80.855, 1.255  22, 80.855, 1.255

 92, 80.855, 1.255  12, 80.855, 1.255

 2, 80.855, 1.255

 0, 80.855, 1.255

 52, 80.855, 1.255  52, 80.855, 1.255

 52, 81.034, 2.013  53, 79.436,
357.391

■ 55, 75.818,
354.300

■ 58, 69.815,
351.861

■ 62, 61.763,
349.909

■ 67, 52.213,
348.312

■ 72, 41.729,
346.968

■ 78, 30.782,
345.809

■ 84, 19.717,
344.784

■ 90, 8.764, 343.847

Harmonies

Complementary

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



52, 80.855, 1.255



84, 85.661, 148.742

Rectangle

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



52, 80.855, 1.255



52, 80.855, 51.255



52, 80.855, 181.255



52, 80.855, 231.255

Sweetspot

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



52, 80.851, 1.256



82, 33.269, 345.910



38, 119.167, 311.453



41, 22.847, 346.393



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, 80.851, 1.256



55, 84.725, 2.164



50, 98.398, 39.129



47, 6.099, 343.968



39, 66.311, 1.218



8, 29.520, 354.947

Inverse Universe

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



52, 80.851, 1.256



55, 84.725, 2.164



86, 48.424, 193.866



47, 6.099, 343.968



39, 66.311, 1.218



8, 29.520, 354.947

Previews

White Background



This preview shows how the CIELCh color 52, 80.855, 1.255 looks on a white background.

Color Contrast Check

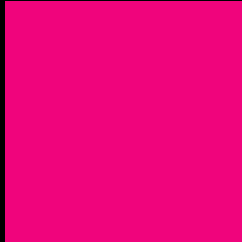
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.855, 1.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

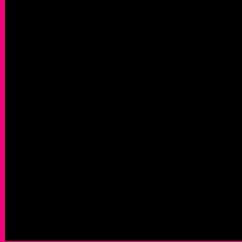
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 80.855, 1.255

Background



This preview shows how black text looks on a background with the CIELCh color 52, 80.855, 1.255.



This preview shows how white text looks on a background with the CIELCh color 52, 80.855, 1.255.

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, 80.784, 1.281

Protanopia

53, 32.041, 284.942

Deuteranopia

53, 9.731, 44.634



Tritanopia
52, 83.165, 33.600

Trichromacy



Original Color
52, 80.784, 1.281



Protanomaly
46, 51.802, 325.800



Deuteranomaly
47, 44.463, 356.922



Tritanomaly
52, 79.900, 21.915

Monochromacy



Original Color
52, 80.784, 1.281



Achromatopsia
38, 0.005, 296.813



Achromatomaly
38, 41.932, 349.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 80.855, 1.255 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(240, 4, 124)` looks like.

```
.text, #text, p{  
    color:rgb(240, 4, 124)  
}
```

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(240, 4, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 4, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 80.855, 1.255 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(240, 4, 124) }
```

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

```
.border{ border-color:rgb(240, 4, 124) }
```

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

Here you see how a box with a 4 pixel rgb(240, 4, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 4, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 4, 124);  
box-shadow:4px 4px 4px 4px rgb(240, 4,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 80.855, 1.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 4, 124) }
```

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

```
.background{ background-color: rgb(240, 4,  
124) }
```

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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