

Converting Colors

CIELCh(51, 80.014, 3.945)

Have a look what the booklet for
CIELCh(51, 80.014, 3.945) contains.

| | |
|--|----|
| CIELCh(51, 79.989, 3.778) | 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(51, 79.989, 3.778)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | ED0074 |
| RGB | 237, 0, 116 |
| RGB Percent | 93%, 0%, 45% |
| CMY | 0.0705, 0.9996, 0.5451 |
| CMYK | 0.00, 1.00, 0.51, 0.07 |
| HSL | 331°, 100%, 46% |
| HSV | 331°, 100%, 93% |
| XYZ | 38.0823, 19.2686, 18.2376 |
| YIQ | 84.0870, 104.0160, 86.3200 |

Conversions

Conversions Part 2

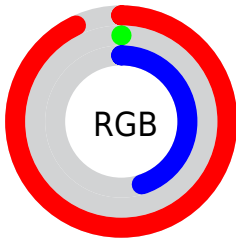
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 237, 0, 116 |
| Decimal | 15532148 |
| CIE _{Lab} | 51.00, 79.82, 5.27 |
| CIE _{LCh} | 51, 79.989, 3.778 |
| Yxy | 19.2686, 0.5038, 0.2549 |
| Android (android.graphics.Color) | 4293722228 (0xFFED0074) |
| YUV | 84.0870, 15.7331, 134.1047 |
| Hunter-Lab | 43.8960, 78.0410, 6.0939 |

Details

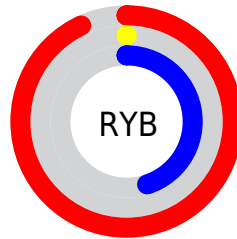
The CIELCh color **51, 79.989, 3.778** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **83, 83.970, 149.305**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 67.356, 354.321**, and **37, 63.754, 12.305** is the 20% darker color. If you saturate the color by 10%, you get **51, 79.990, 3.797**, and if you desaturate by 10%, it is **52, 78.603, 359.625**.

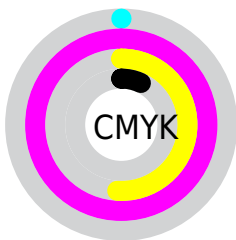
Distribution



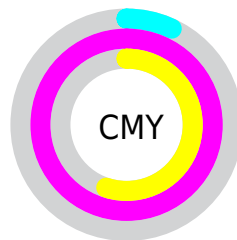
- Red (93%)
- Green (0%)
- Blue (45%)



- Red (93%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (7%)



- Cyan (7%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 79.989, 3.778 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, 79.989, 3.778 by changing the saturation by 10% instead.

 51, 79.989, 3.778

 51, 79.989, 3.778

 100, 79.989, 3.778

 41, 79.989, 3.778

 71, 79.989, 3.778

 31, 79.989, 3.778

 81, 79.989, 3.778

 21, 79.989, 3.778

 91, 79.989, 3.778

 11, 79.989, 3.778


 1, 79.989, 3.778

 0, 79.989, 3.778

 51, 79.989, 3.778

 51, 79.989, 3.778

 51, 79.990, 3.797

 52, 78.603,
359.625

■ 54, 75.330,
356.240

■ 57, 69.738,
353.573

■ 61, 62.089,
351.453

■ 65, 52.897,
349.734

■ 70, 42.720,
348.301

■ 76, 32.038,
347.077

■ 82, 21.207,
346.005

■ 88, 10.467,
345.038

Harmonies

Complementary

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



51, 79.989, 3.778



83, 83.970, 149.305

Rectangle

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



51, 79.989, 3.778



51, 79.989, 53.778



51, 79.989, 183.778



51, 79.989, 233.778

Sweetspot

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



51, 79.985, 3.779



81, 34.044, 347.095



38, 118.247, 311.722



40, 23.245, 347.593



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, 79.985, 3.779



55, 84.527, 3.994



50, 98.921, 39.991



46, 5.917, 344.991



39, 65.439, 2.953



8, 28.510, 356.034

Inverse Universe

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



51, 79.985, 3.779



55, 84.527, 3.994



85, 47.414, 196.386



46, 5.917, 344.991



39, 65.439, 2.953



8, 28.510, 356.034

Previews

White Background



This preview shows how the CIELCh color 51, 79.989, 3.778 looks on a white background.

Color Contrast Check

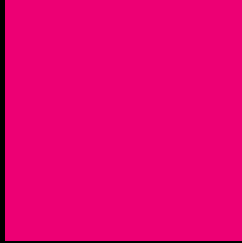
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.989, 3.778 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, 79.989, 3.778

Background



This preview shows how black text looks on a background with the CIELCh color 51, 79.989, 3.778.



This preview shows how white text looks on a background with the CIELCh color 51, 79.989, 3.778.

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, 79.989, 3.778

Protanopia

52, 26.881, 284.978

Deuteranopia

51, 12.146, 54.933



Tritanopia
51, 83.598, 34.259

Trichromacy



Original Color
51, 79.989, 3.778



Protanomaly
45, 49.235, 329.768



Deuteranomaly
46, 44.703, 0.707



Tritanomaly
51, 80.484, 23.524

Monochromacy



Original Color
51, 79.989, 3.778



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 42.025, 351.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 79.989, 3.778 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(237, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 116)  
}
```

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(237, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 79.989, 3.778 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(237, 0, 116) }
```

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

```
.border{ border-color:rgb(237, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 79.989, 3.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 116) }
```

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

```
.background{ background-color: rgb(237, 0,  
116) }
```

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