

Converting Colors

CIELCh(50, 78.836, 2.488)

Have a look what the booklet for
CIELCh(50, 78.836, 2.488) contains.

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Color

CIELCh(50, 78.816, 2.693)

Conversions

Conversions Part 1

Format	Color
Hex	E80074
RGB	232, 0, 116
RGB Percent	91%, 0%, 45%
CMY	0.0902, 0.9997, 0.5451
CMYK	0.00, 1.00, 0.50, 0.09
HSL	330°, 100%, 46%
HSV	330°, 100%, 91%
XYZ	36.4341, 18.4187, 18.1599
YIQ	82.5920, 101.0360, 85.2600

Conversions

Conversions Part 2

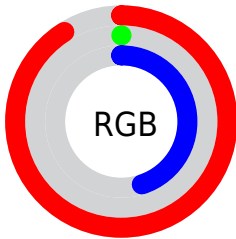
Format	Color
R_{YB}	232, 0, 116
Decimal	15204468
CIE _{Lab}	50.00, 78.73, 3.70
CIE _{LCh}	50, 78.816, 2.693
Yxy	18.4187, 0.4990, 0.2523
Android (android.graphics.Color)	4293394548 (0xFFE80074)
YUV	82.5920, 16.4701, 131.0308
Hunter-Lab	42.9170, 76.4318, 4.9539

Details

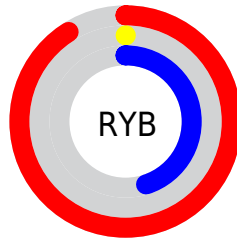
The CIELCh color **50, 78.816, 2.693** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **81, 83.499, 148.796**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.777, 354.170**, and **36, 62.254, 11.061** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.816, 2.708**, and if you desaturate by 10%, it is **51, 77.527, 358.670**.

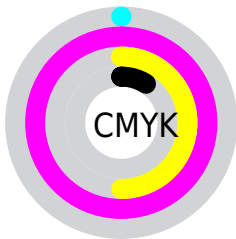
Distribution



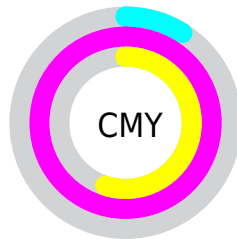
- Red (91%)
- Green (0%)
- Blue (45%)



- Red (91%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (9%)



- Cyan (9%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.816, 2.693 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 50, 78.816, 2.693 by changing the saturation by 10% instead.

 50, 78.816, 2.693

 50, 78.816, 2.693

 100, 78.816, 2.693

 40, 78.816, 2.693

 70, 78.816, 2.693

 30, 78.816, 2.693

 80, 78.816, 2.693


 20, 78.816, 2.693

 90, 78.816, 2.693


 10, 78.816, 2.693


 0, 78.816, 2.693

 50, 78.816, 2.693

 50, 78.816, 2.693

 50, 78.816, 2.708

 51, 77.527,
358.670

 53, 74.350,
355.390

56, 68.867,
352.804

60, 61.341,
350.743

64, 52.283,
349.067

69, 42.243,
347.666

74, 31.694,
346.465

80, 20.990,
345.410

86, 10.368,
344.455

Harmonies

Complementary

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



50, 78.816, 2.693



81, 83.499, 148.796

Rectangle

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



50, 78.816, 2.693



50, 78.816, 52.693



50, 78.816, 182.693



50, 78.816, 232.693

Sweetspot

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



50, 78.812, 2.694



81, 34.258, 346.486



37, 116.345, 311.735



40, 23.387, 346.976



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 78.812, 2.694



55, 84.627, 2.959



48, 97.343, 39.992



45, 5.853, 344.407



38, 64.858, 1.897



7, 27.610, 354.944

Inverse Universe

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



50, 78.812, 2.694



55, 84.627, 2.959



84, 46.656, 196.386



45, 5.853, 344.407



38, 64.858, 1.897



7, 27.610, 354.944

Previews

White Background



This preview shows how the CIELCh color 50, 78.816, 2.693 looks on a white background.

Color Contrast Check

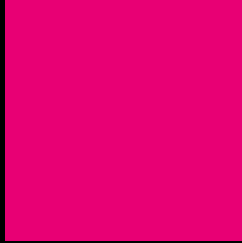
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 78.816, 2.693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

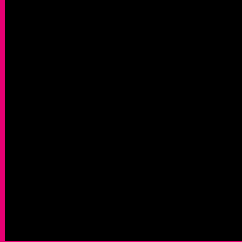
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 78.816, 2.693

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.816, 2.693.



This preview shows how white text looks on a background with the CIELCh color 50, 78.816, 2.693.

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
50, 78.816, 2.693

Protanopia
51, 28.742, 285.270

Deuteranopia
51, 11.121, 51.572



Tritanopia
50, 81.726, 34.067

Trichromacy



Original Color
50, 78.816, 2.693



Protanomaly
44, 49.862, 328.158



Deuteranomaly
45, 43.839, 359.076



Tritanomaly
50, 78.758, 22.925

Monochromacy



Original Color
50, 78.816, 2.693



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 40.954, 350.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 78.816, 2.693 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(232, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.816, 2.693 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(232, 0, 116) }
```

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

```
.border{ border-color:rgb(232, 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(232, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.816, 2.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 116) }
```

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

```
.background{ background-color: rgb(232, 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](#).

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