

Converting Colors

CIELCh(41, 106.988, 356.060)

Have a look what the booklet for
CIELCh(41, 106.988, 356.060)
contains.

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Color

CIELCh(50, 78.938, 4.166)

Conversions

Conversions Part 1

Format	Color
Hex	E90071
RGB	233, 0, 113
RGB Percent	91%, 0%, 44%
CMY	0.0877, 1.0000, 0.5580
CMYK	0.00, 1.00, 0.52, 0.09
HSL	331°, 100%, 46%
HSV	331°, 100%, 91%
XYZ	36.4342, 18.4187, 17.1730
YIQ	82.5490, 102.5950, 84.5390

Conversions

Conversions Part 2

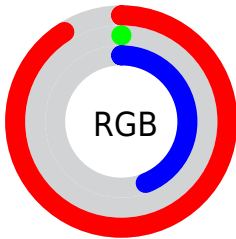
Format	Color
R_{YB}	233, 0, 113
Decimal	15270001
CIE _{Lab}	50.00, 78.73, 5.73
CIE _{LCh}	50, 78.938, 4.166
Yxy	18.4187, 0.5058, 0.2557
Android (android.graphics.Color)	4293460081 (0xFFE90071)
YUV	82.5490, 15.0123, 131.9455
Hunter-Lab	42.9170, 76.4324, 6.3172

Details

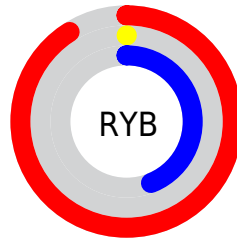
The CIELCh color **50, 78.938, 4.166** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **82, 82.358, 149.567**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.158, 355.929**, and **36, 62.686, 12.449** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.841, 4.207**, and if you desaturate by 10%, it is **51, 77.410, 0.018**.

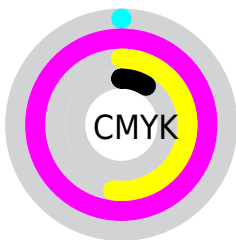
Distribution



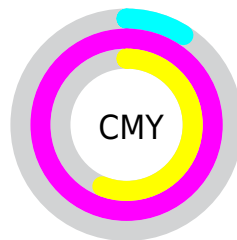
- Red (91%)
- Green (0%)
- Blue (44%)



- Red (91%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (9%)














- Cyan (9%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.938, 4.166 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, 78.938, 4.166 by changing the saturation by 10% instead.

- | | |
|--|---|
|  50, 78.938, 4.166 |  50, 78.938, 4.166 |
|  100, 78.938, 4.166 |  40, 78.938, 4.166 |
|  70, 78.938, 4.166 |  30, 78.938, 4.166 |
|  80, 78.938, 4.166 |  20, 78.938, 4.166 |
|  90, 78.938, 4.166 |  10, 78.938, 4.166 |
| |  0, 78.938, 4.166 |

- | | |
|---|--|
|  50, 78.938, 4.166 |  50, 78.938, 4.166 |
|  50, 78.841, 4.207 |  51, 77.410, 0.018 |
| |  53, 74.145,
356.599 |

■ 56, 68.614,
353.904

■ 60, 61.072,
351.764

■ 64, 52.023,
350.029

■ 69, 42.012,
348.586

■ 74, 31.511,
347.354

■ 80, 20.869,
346.276

■ 86, 10.320,
345.304

Harmonies

Complementary

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



50, 78.938, 4.166



82, 82.358, 149.567

Rectangle

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



50, 78.938, 4.166



50, 78.938, 54.166



50, 78.938, 184.166



50, 78.938, 234.166

Sweetspot

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



50, 78.841, 4.207



81, 33.949, 347.371



37, 116.597, 311.731



40, 23.182, 347.872



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, 78.841, 4.207



55, 84.493, 4.459



49, 97.560, 40.000



46, 5.899, 345.254



39, 65.402, 3.406



8, 28.469, 356.399

Inverse Universe

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



50, 78.841, 4.207



55, 84.493, 4.459



84, 46.753, 196.386



46, 5.899, 345.254



39, 65.402, 3.406



8, 28.469, 356.399

Previews

White Background



This preview shows how the CIELCh color 50, 78.938, 4.166 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, 78.938, 4.166 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, 78.938, 4.166

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.938, 4.166.



This preview shows how white text looks on a background with the CIELCh color 50, 78.938, 4.166.

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, 78.938, 4.166

Protanopia

51, 25.816, 285.212

Deuteranopia

51, 12.564, 56.937



Tritanopia
51, 82.531, 34.264

Trichromacy



Original Color
50, 78.938, 4.166



Protanomaly
44, 48.290, 330.258



Deuteranomaly
45, 43.832, 1.630



Tritanomaly
50, 79.292, 23.445

Monochromacy



Original Color
50, 78.938, 4.166



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 41.024, 351.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 78.938, 4.166 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(233, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 113)  
}
```

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(233, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.938, 4.166 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(233, 0, 113) }
```

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

```
.border{ border-color:rgb(233, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(233, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.938, 4.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 113) }
```

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

```
.background{ background-color: rgb(233, 0,  
113) }
```

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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