

Converting Colors

CIELCh(50, 79.146, 2.083)

Have a look what the booklet for
CIELCh(50, 79.146, 2.083) contains.

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Color

CIELCh(50, 78.865, 2.277)

Conversions

Conversions Part 1

Format	Color
Hex	E80075
RGB	232, 0, 117
RGB Percent	91%, 0%, 46%
CMY	0.0905, 1.0000, 0.5414
CMYK	0.00, 1.00, 0.50, 0.09
HSL	330°, 100%, 45%
HSV	330°, 100%, 91%
XYZ	36.4563, 18.4187, 18.4433
YIQ	82.7060, 100.7150, 85.5710

Conversions

Conversions Part 2

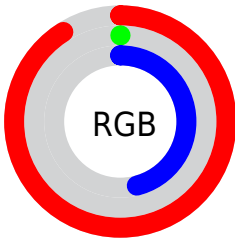
Format	Color
R_{YB}	232, 0, 117
Decimal	15204469
CIE _{Lab}	50.00, 78.80, 3.13
CIE _{LCh}	50, 78.865, 2.277
Yxy	18.4187, 0.4972, 0.2512
Android (android.graphics.Color)	4293394549 (0xFFE80075)
YUV	82.7060, 16.9069, 130.9308
Hunter-Lab	42.9170, 76.5242, 4.5623

Details

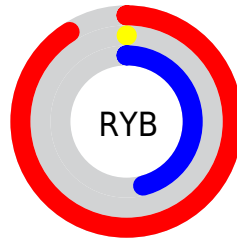
The CIELCh color **50, 78.865, 2.277** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **81, 83.867, 148.572**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 67.943, 353.737**, and **36, 62.201, 10.490** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.843, 2.286**, and if you desaturate by 10%, it is **51, 77.600, 358.306**.

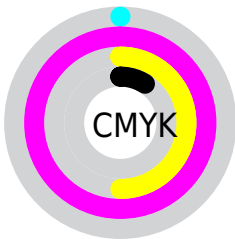
Distribution



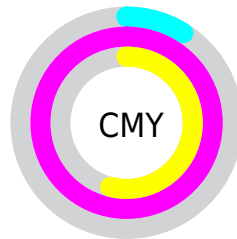
- Red (91%)
- Green (0%)
- Blue (46%)



- Red (91%)
- Yellow (0%)
- Blue (46%)



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



- Cyan (9%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.865, 2.277 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, 78.865, 2.277 by changing the saturation by 10% instead.

 50, 78.865, 2.277

 50, 78.865, 2.277

 100, 78.865, 2.277

 40, 78.865, 2.277

 70, 78.865, 2.277

 30, 78.865, 2.277

 80, 78.865, 2.277

 20, 78.865, 2.277

 90, 78.865, 2.277


 10, 78.865, 2.277


 0, 78.865, 2.277

 50, 78.865, 2.277

 50, 78.865, 2.277

 50, 78.843, 2.286

 51, 77.600,
358.306

 53, 74.456,
355.063

■ 56, 68.993,
352.504

■ 60, 61.476,
350.465

■ 64, 52.417,
348.803

■ 69, 42.368,
347.413

■ 74, 31.803,
346.220

■ 80, 21.077,
345.171

■ 86, 10.430,
344.221

Harmonies

Complementary

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



50, 78.865, 2.277



81, 83.867, 148.572

Rectangle

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



50, 78.865, 2.277



50, 78.865, 52.277



50, 78.865, 182.277



50, 78.865, 232.277

Sweetspot

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



50, 78.843, 2.286



81, 34.348, 346.237



37, 116.748, 311.361



40, 23.447, 346.724



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, 78.843, 2.286



55, 84.677, 2.534



48, 96.644, 39.483



45, 5.870, 344.170



38, 64.905, 1.484



7, 27.654, 354.614

Inverse Universe

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



50, 78.843, 2.286



55, 84.677, 2.534



84, 47.241, 193.824



45, 5.870, 344.170



38, 64.905, 1.484



7, 27.654, 354.614

Previews

White Background



This preview shows how the CIELCh color 50, 78.865, 2.277 looks on a white background.

Color Contrast Check

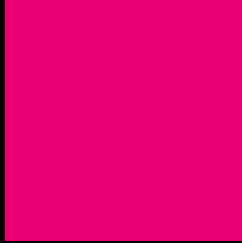
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.865, 2.277 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, 78.865, 2.277

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.865, 2.277.



This preview shows how white text looks on a background with the CIELCh color 50, 78.865, 2.277.

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, 78.865, 2.277

Protanopia

51, 29.311, 285.535

Deuteranopia

51, 10.415, 50.214



Tritanopia
50, 81.458, 33.751

Trichromacy



Original Color
50, 78.865, 2.277



Protanomaly
44, 50.301, 327.759



Deuteranomaly
45, 43.973, 358.340



Tritanomaly
50, 78.575, 22.522

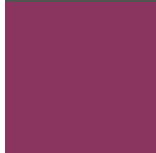
Monochromacy



Original Color
50, 78.865, 2.277



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, 78.865, 2.277 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.865, 2.277 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, 117) }
```

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

```
.border{ border-color:rgb(232, 0, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 117);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.865, 2.277 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, 117) }
```

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

```
.background{ background-color: rgb(232, 0,  
117) }
```

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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