

Converting Colors

CIELCh(50, 79.266, 6.027)

Have a look what the booklet for
CIELCh(50, 79.266, 6.027) contains.

CIELCh(50, 79.113, 6.057)	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(50, 79.113, 6.057)

Conversions

Conversions Part 1

Format	Color
Hex	E9006C
RGB	233, 0, 108
RGB Percent	91%, 0%, 42%
CMY	0.0850, 1.0000, 0.5746
CMYK	0.00, 1.00, 0.54, 0.08
HSL	332°, 100%, 46%
HSV	332°, 100%, 92%
XYZ	36.4168, 18.4187, 15.9570
YIQ	81.9790, 104.2000, 82.9840

Conversions

Conversions Part 2

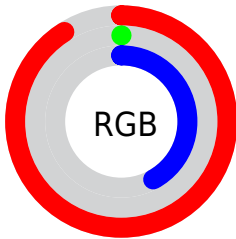
Format	Color
R_{YB}	233, 0, 108
Decimal	15269996
CIE _{Lab}	50.00, 78.67, 8.35
CIE _{LCh}	50, 79.113, 6.057
Yxy	18.4187, 0.5144, 0.2602
Android (android.graphics.Color)	4293460076 (0xFFE9006C)
YUV	81.9790, 12.8284, 132.4454
Hunter-Lab	42.9170, 76.3597, 7.9972

Details

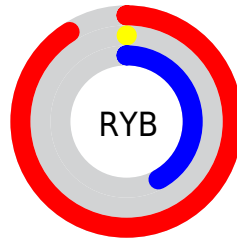
The CIELCh color **50, 79.113, 6.057** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **82, 80.833, 150.604**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 66.490, 358.183**, and **36, 63.146, 15.263** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.939, 6.135**, and if you desaturate by 10%, it is **51, 77.297, 1.746**.

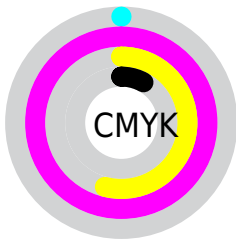
Distribution



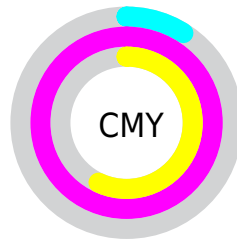
- Red (91%)
- Green (0%)
- Blue (42%)



- Red (91%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (8%)



- Cyan (9%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 79.113, 6.057 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, 79.113, 6.057 by changing the saturation by 10% instead.

 50, 79.113, 6.057

 50, 79.113, 6.057

 100, 79.113, 6.057

 40, 79.113, 6.057

 70, 79.113, 6.057

 30, 79.113, 6.057

 80, 79.113, 6.057

 20, 79.113, 6.057

 90, 79.113, 6.057

 10, 79.113, 6.057


 0, 79.113, 6.057

 50, 79.113, 6.057

 50, 79.113, 6.057

 50, 78.939, 6.135

 51, 77.297, 1.746

 53, 73.892,
358.154

■ 56, 68.280,
355.325

■ 60, 60.702,
353.085

■ 64, 51.653,
351.277

■ 69, 41.675,
349.781

■ 75, 31.232,
348.510

■ 80, 20.668,
347.403

■ 86, 10.214,
346.409

Harmonies

Complementary

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



50, 79.113, 6.057



82, 80.833, 150.604

Rectangle

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



50, 79.113, 6.057



50, 79.113, 56.057



50, 79.113, 186.057



50, 79.113, 236.057

Sweetspot

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



50, 78.939, 6.135



81, 33.566, 348.527



38, 116.013, 312.514



40, 22.929, 349.043



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, 78.939, 6.135



55, 84.423, 6.390



49, 97.363, 40.262



46, 5.824, 346.358



39, 65.302, 5.289



8, 28.313, 357.926

Inverse Universe

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



50, 78.939, 6.135



55, 84.423, 6.390



82, 44.730, 201.863



46, 5.824, 346.358



39, 65.302, 5.289



8, 28.313, 357.926

Previews

White Background



This preview shows how the CIELCh color 50, 79.113, 6.057 looks on a white background.

Color Contrast Check

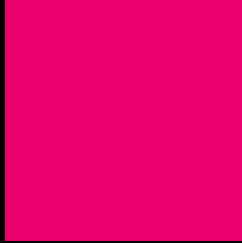
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.113, 6.057 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, 79.113, 6.057

Background



This preview shows how black text looks on a background with the CIELCh color 50, 79.113, 6.057.



This preview shows how white text looks on a background with the CIELCh color 50, 79.113, 6.057.

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, 78.855, 6.269

Protanopia

51, 22.273, 285.861

Deuteranopia

51, 14.524, 62.662



Tritanopia
51, 83.753, 34.617

Trichromacy



Original Color
50, 78.855, 6.269



Protanomaly
44, 46.183, 333.951



Deuteranomaly
45, 43.804, 5.702



Tritanomaly
50, 80.471, 24.549

Monochromacy



Original Color
50, 78.855, 6.269



Achromatopsia
35, 0.005, 296.813



Achromatomaly
35, 40.814, 352.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 79.113, 6.057 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 79.113, 6.057 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, 108) }
```

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

```
.border{ border-color:rgb(233, 0, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 79.113, 6.057 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, 108) }
```

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

```
.background{ background-color: rgb(233, 0,  
108) }
```

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