

Converting Colors

CIELCh(34, 127.466, 355.099)

Have a look what the booklet for
CIELCh(34, 127.466, 355.099)
contains.

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Color

CIELCh(50, 78.653, 8.608)

Conversions

Conversions Part 1

Format	Color
Hex	E90467
RGB	233, 4, 103
RGB Percent	91%, 2%, 40%
CMY	0.0856, 0.9834, 0.5965
CMYK	0.00, 0.98, 0.56, 0.09
HSL	334°, 96%, 47%
HSV	334°, 98%, 91%
XYZ	36.1454, 18.4187, 14.4523
YIQ	83.7570, 104.7050, 79.3370

Conversions

Conversions Part 2

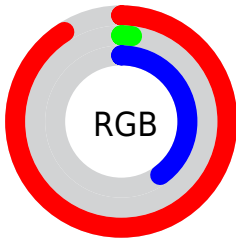
Format	Color
R_{YB}	233, 4, 103
Decimal	15271015
CIE _{Lab}	50.00, 77.77, 11.77
CIE _{LCh}	50, 78.653, 8.608
Yxy	18.4187, 0.5237, 0.2669
Android (android.graphics.Color)	4293461095 (0xFFE90467)
YUV	83.7570, 9.4868, 130.8861
Hunter-Lab	42.9170, 75.2310, 10.0759

Details

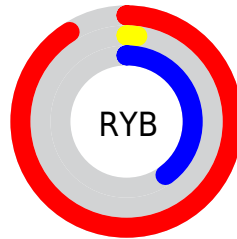
The CIELCh color **50, 78.653, 8.608** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **82, 77.010, 152.928**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 65.542, 0.684**, and **36, 63.641, 17.481** is the 20% darker color. If you saturate the color by 10%, you get **50, 79.010, 9.483**, and if you desaturate by 10%, it is **51, 76.432, 4.006**.

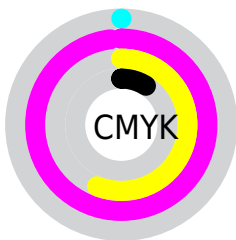
Distribution



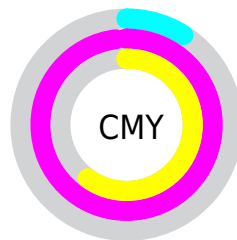
- Red (91%)
- Green (2%)
- Blue (40%)



- Red (91%)
- Yellow (2%)
- Blue (40%)



- Cyan (0%)
- Magenta (98%)
- Yellow (56%)
- Black (9%)




- Cyan (9%)
- Magenta (98%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.653, 8.608 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, 78.653, 8.608 by changing the saturation by 10% instead.

 50, 78.653, 8.608  50, 78.653, 8.608

 100, 78.653, 8.608  40, 78.653, 8.608

 70, 78.653, 8.608  30, 78.653, 8.608

 80, 78.653, 8.608  20, 78.653, 8.608

 90, 78.653, 8.608  10, 78.653, 8.608

 0, 78.653, 8.608

 50, 78.653, 8.608  50, 78.653, 8.608

 50, 79.010, 9.483  51, 76.432, 4.006

 53, 72.376, 0.290

 56, 66.242,

357.366

60, 58.314,
355.054

65, 49.091,
353.193

70, 39.091,
351.657

76, 28.747,
350.358

81, 18.369,
349.230

87, 8.158, 348.215

Harmonies

Complementary

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



50, 78.653, 8.608



82, 77.010, 152.928

Rectangle

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



50, 78.653, 8.608



50, 78.653, 58.608



50, 78.653, 188.608



50, 78.653, 238.608

Sweetspot

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



50, 78.649, 8.610



81, 31.822, 350.473



40, 114.411, 313.478



41, 21.884, 351.013



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, 78.649, 8.610



54, 84.571, 9.757



49, 95.821, 40.209



46, 5.699, 348.342



39, 65.326, 8.580



8, 28.098, 0.570

Inverse Universe

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



50, 78.649, 8.610



54, 84.571, 9.757



80, 42.916, 207.713



46, 5.699, 348.342



39, 65.326, 8.580



8, 28.098, 0.570

Previews

White Background



This preview shows how the CIELCh color 50, 78.653, 8.608 looks on a white background.

Color Contrast Check

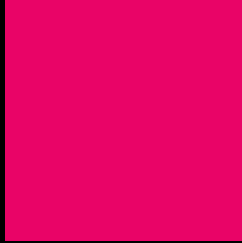
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.653, 8.608 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, 78.653, 8.608

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.653, 8.608.



This preview shows how white text looks on a background with the CIELCh color 50, 78.653, 8.608.

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, 78.618, 8.522

Protanopia

51, 17.601, 285.415

Deuteranopia

51, 17.531, 69.137



Tritanopia
50, 84.855, 35.217

Trichromacy



Original Color
50, 78.618, 8.522



Protanomaly
44, 43.385, 338.766



Deuteranomaly
46, 43.601, 10.218

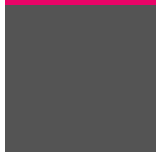


Tritanomaly
50, 81.194, 26.160

Monochromacy



Original Color
50, 78.618, 8.522



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 39.387, 354.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 78.653, 8.608 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, 4, 103)` looks like.

```
.text, #text, p{  
    color:rgb(233, 4, 103)  
}
```

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, 4, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 4, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.653, 8.608 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, 4, 103) }
```

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

```
.border{ border-color:rgb(233, 4, 103) }
```

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

Here you see how a box with a 4 pixel rgb(233, 4, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 4, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 4, 103);  
box-shadow:4px 4px 4px 4px rgb(233, 4,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.653, 8.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 4, 103) }
```

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

```
.background{ background-color: rgb(233, 4,  
103) }
```

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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