Converting Colors

CIELCh(50, 80.553, 352.606)

Have a look what the booklet for CIELCh(50, 80.553, 352.606) contains.

Color

CIELCh(50, 80.459, 352.522)

Conversions

Format	Color
Hex	E4018B
RGB	228, 1, 139
RGB Percent	89%, 0%, 55%
CMY	0.1050, 0.9965, 0.4542
CMYK	0.00, 1.00, 0.39, 0.10
HSL	323°, 99%, 45%
HSV	323°, 100%, 90%
XYZ	36.7497, 18.4187, 26.1163
YIQ	84.6050, 90.9940, 91.0420

Conversions Part 1

Conversions

Conversions Part 2

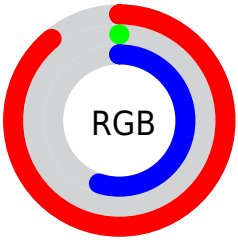
Format	Color
RYB	228, 1, 139
Decimal	14942603
CIELab	50.00, 79.77, -10.47
CIELCh	50, 80.459, 352.522
Yxy	18.4187, 0.4521, 0.2266
Android (android.graphics.Color)	4293132683 (0xFFE4018B)
YUV	84.6050, 26.8167, 125.7574
Hunter-Lab	42.9170, 77.7445, -6.0379

Details

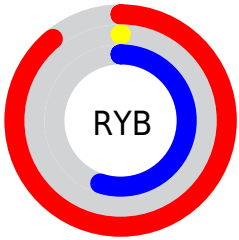
The CIELCh color 50, 80.459, 352.522 is a dark color, and the websafe version is hex FF0099. The color can be described as dark washed rose. A complement of this color would be 80, 91.197, 144.084, and the grayscale version is 36, 0.005, 296.813.

A 20% lighter version of the original color is 64, 72.456, 344.666, and 36, 61.998, 358.270 is the 20% darker color. If you saturate the color by 10%, you get 50, 80.470, 352.636, and if you desaturate by 10%, it is 51, 79.772, 349.706.

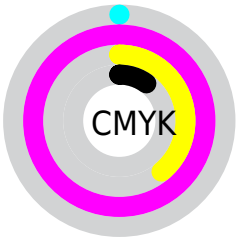
Distribution



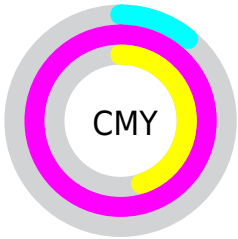
- Red (89%)
- Green (0%)
- Blue (55%)



- Red (89%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (10%)



- Cyan (11%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 80.459, 352.522 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, 80.459, 352.522 by changing the saturation by 10% instead.

50, 80.459, 352.522

100, 80.459, 352.522

70, 80.459, 352.522

80, 80.459, 352.522

90, 80.459, 352.522

50, 80.459, 352.522

40, 80.459, 352.522

30, 80.459, 352.522

20, 80.459, 352.522

10, 80.459, 352.522

0, 80.459, 352.522

50, 80.459, 352.522

50, 80.459, 352.522

50, 80.470, 352.636

51, 79.772, 349.706

53, 76.867, 347.408

56, 71.438, 345.559

59, 63.804, 344.041

64, 54.504, 342.759

68, 44.105, 341.647

74, 33.098, 340.659

79, 21.854, 339.763

85, 10.629,

338.930

Harmonies

Complementary

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

50, 80.459, 352.522

80, 91.197, 144.084

Rectangle

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

50, 80.459, 352.522

50, 80.459, 42.522

50, 80.459, 172.522

50, 80.459, 222.522

Sweetspot

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

50, 80.455, 352.523

81, 36.686, 340.713

33, 117.585, 309.449

41, 25.008, 341.121

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, 80.455, 352.523

56, 87.415, 352.845

48, 90.697, 35.456

45, 6.307, 338.917

39, 67.153, 352.098

7, 28.979, 347.229

Inverse Universe

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

50, 80.455, 352.523

56, 87.415, 352.845

82, 51.639, 180.035

45, 6.307, 338.917

39, 67.153, 352.098

7, 28.979, 347.229

Previews

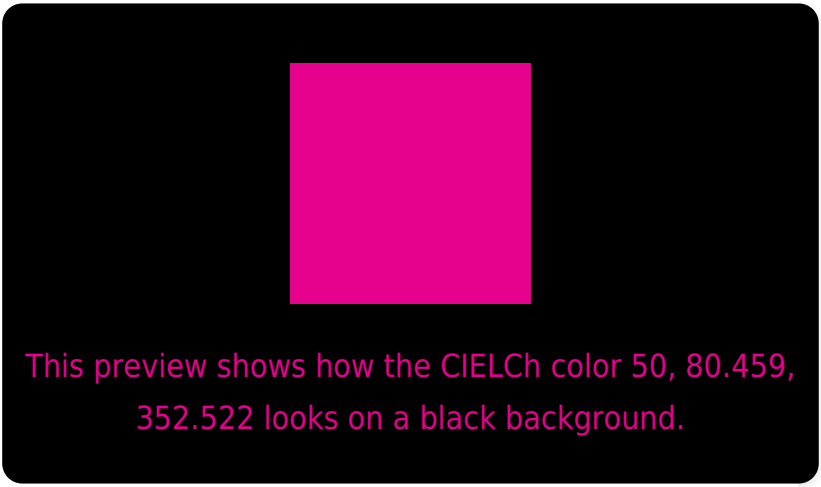
White Background

This preview shows how the CIELCh color 50, 80.459, 352.522 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



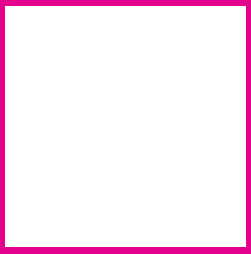
Color Contrast Check

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, 80.459, 352.522 Background

This preview shows how black text looks on a background with the CIELCh color 50, 80.459, 352.522.



This preview shows how white text looks on a background with the CIELCh color 50, 80.459, 352.522.

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

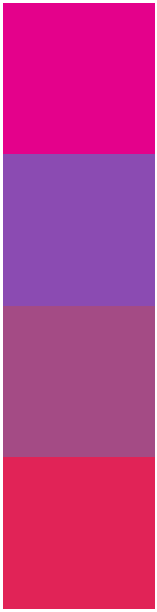
Original Color
50, 80.378, 352.542

Protanopia
51, 47.967, 286.307

Deuteranopia
51, 8.288, 322.602

Tritanopia
50, 74.894, 31.638

Trichromacy



Original Color
50, 80.378, 352.542

Protanomaly
44, 63.310, 315.617

Deuteranomaly
45, 46.440, 340.891

Tritanomaly
49, 73.833, 16.024

Monochromacy

Original Color
50, 80.378, 352.542

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 43.114, 343.523

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 80.459, 352.522 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(228, 1, 139) looks like.

```
.text, #text, p{
    color:rgb(228, 1, 139)
}
```

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(228, 1, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 1, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 80.459, 352.522 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(228, 1, 139) }
```

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

```
.border{ border-color:rgb(228, 1, 139) }
```

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

Here you see how a box with a 4 pixel rgb(228, 1, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 1, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 1, 139); box-shadow:4px 4px 4px 4px rgb(228, 1, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 80.459, 352.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(228, 1, 139) }
```

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

```
.background{ background-color:rgb(228, 1,
139) }
```

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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