

Converting Colors

CIELCh(50, 78.851, 358.687)

Have a look what the booklet for
CIELCh(50, 78.851, 358.687)
contains.

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Color

CIELCh(50, 78.787, 358.604)

Conversions

Conversions Part 1

Format	Color
Hex	E6047D
RGB	230, 4, 125
RGB Percent	90%, 2%, 49%
CMY	0.0973, 0.9853, 0.5092
CMYK	0.00, 0.98, 0.46, 0.10
HSL	328°, 97%, 46%
HSV	328°, 98%, 90%
XYZ	36.4445, 18.4187, 21.0868
YIQ	85.3680, 95.8550, 85.5430

Conversions

Conversions Part 2

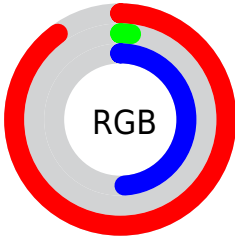
Format	Color
R_{YB}	230, 4, 125
Decimal	15074429
CIE Lab	50.00, 78.76, -1.92
CIE LCh	50, 78.787, 358.604
Yxy	18.4187, 0.4798, 0.2425
Android (android.graphics.Color)	4293264509 (0xFFE6047D)
YUV	85.3680, 19.5386, 126.8423
Hunter-Lab	42.9170, 76.4752, 0.9103

Details

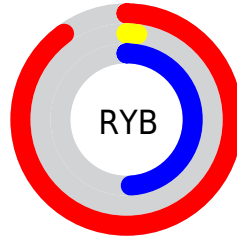
The CIELCh color **50, 78.787, 358.604** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **81, 85.270, 147.408**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 68.998, 350.496**, and **36, 61.765, 6.207** is the 20% darker color. If you saturate the color by 10%, you get **50, 78.912, 359.216**, and if you desaturate by 10%, it is **51, 77.598, 355.059**.

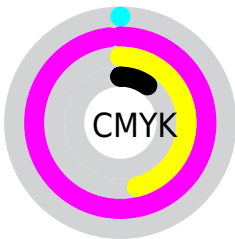
Distribution



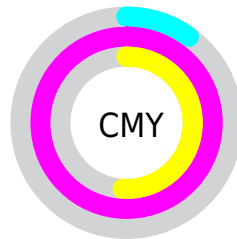
- Red (90%)
- Green (2%)
- Blue (49%)



- Red (90%)
- Yellow (2%)
- Blue (49%)



- Cyan (0%)
- Magenta (98%)
- Yellow (46%)
- Black (10%)



- Cyan (10%)
- Magenta (99%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 78.787, 358.604 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, 78.787, 358.604 by changing the saturation by 10% instead.


 50, 78.787,
358.604


 50, 78.787,
358.604


 100, 78.787,
358.604


 40, 78.787,
358.604


 70, 78.787,
358.604

 30, 78.787,
358.604


 80, 78.787,
358.604


 20, 78.787,
358.604

 90, 78.787,
358.604

 10, 78.787,
358.604

 0, 78.787, 358.604

 50, 78.787,
358.604

 50, 78.787,
358.604

■ 50, 78.912,
359.216

■ 51, 77.598,
355.059

■ 53, 74.222,
352.216

■ 56, 68.474,
349.962

■ 60, 60.691,
348.147

■ 64, 51.411,
346.649

■ 69, 41.184,
345.377

■ 75, 30.474,
344.271

■ 80, 19.621,
343.286

■ 86, 8.853, 342.381

Harmonies

Complementary

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



50, 78.787, 358.604



81, 85.270, 147.408

Rectangle

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



50, 78.787, 358.604



50, 78.787, 48.604



50, 78.787, 178.604



50, 78.787, 228.604

Sweetspot

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



50, 78.783, 358.605



81, 35.026, 344.460



36, 116.180, 310.751



41, 23.898, 344.922



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, 78.783, 358.605



55, 85.208, 359.462



48, 93.966, 38.081



45, 5.998, 342.477



38, 65.373, 358.503



7, 28.003, 352.247

Inverse Universe

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



50, 78.783, 358.605



55, 85.208, 359.462



83, 48.261, 189.015



45, 5.998, 342.477



38, 65.373, 358.503



7, 28.003, 352.247

Previews

White Background



This preview shows how the CIELCh color 50, 78.787, 358.604 looks on a white background.

Color Contrast Check

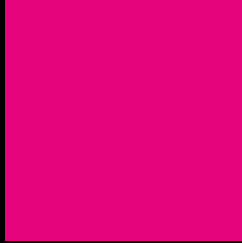
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.787, 358.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

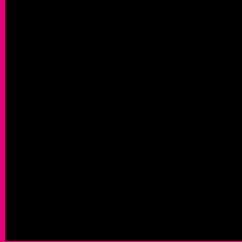
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 78.787, 358.604

Background



This preview shows how black text looks on a background with the CIELCh color 50, 78.787, 358.604.



This preview shows how white text looks on a background with the CIELCh color 50, 78.787, 358.604.

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, 78.711, 358.630

Protanopia

51, 35.801, 284.795

Deuteranopia

50, 7.495, 24.636



Tritanopia
50, 78.832, 33.307

Trichromacy



Original Color
50, 78.711, 358.630



Protanomaly
44, 53.714, 322.295



Deuteranomaly
45, 43.933, 351.829



Tritanomaly
50, 76.482, 20.608

Monochromacy



Original Color
50, 78.711, 358.630



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 41.401, 347.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 78.787, 358.604 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(230, 4, 125)` looks like.

```
.text, #text, p{  
    color:rgb(230, 4, 125)  
}
```

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(230, 4, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 4, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 78.787, 358.604 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(230, 4, 125) }
```

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

```
.border{ border-color:rgb(230, 4, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 4, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 4, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 4, 125);  
box-shadow:4px 4px 4px 4px rgb(230, 4,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 78.787, 358.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 4, 125) }
```

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

```
.background{ background-color: rgb(230, 4,  
125) }
```

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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