

Converting Colors

CIELCh(50, 79.579, 356.358)

Have a look what the booklet for
CIELCh(50, 79.579, 356.358)
contains.

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Color

CIELCh(50, 79.551, 356.510)

Conversions

Conversions Part 1

Format	Color
Hex	E60082
RGB	230, 0, 130
RGB Percent	90%, 0%, 51%
CMY	0.0983, 1.0000, 0.4904
CMYK	0.00, 1.00, 0.43, 0.10
HSL	326°, 100%, 45%
HSV	326°, 100%, 90%
XYZ	36.6375, 18.4187, 22.7257
YIQ	83.5900, 95.3500, 89.1900

Conversions

Conversions Part 2

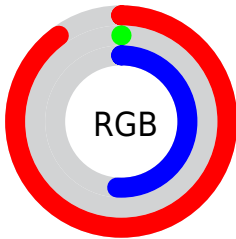
Format	Color
R_{YB}	230, 0, 130
Decimal	15073410
CIE _{Lab}	50.00, 79.40, -4.84
CIE _{LCh}	50, 79.551, 356.510
Yxy	18.4187, 0.4710, 0.2368
Android (android.graphics.Color)	4293263490 (0xFFE60082)
YUV	83.5900, 22.8801, 128.4016
Hunter-Lab	42.9170, 77.2776, -1.3537

Details

The CIELCh color **50, 79.551, 356.510** 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 **80, 88.443, 145.762**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 70.715, 347.971**, and **36, 61.881, 3.358** is the 20% darker color. If you saturate the color by 10%, you get **50, 79.534, 356.515**, and if you desaturate by 10%, it is **51, 78.723, 353.207**.

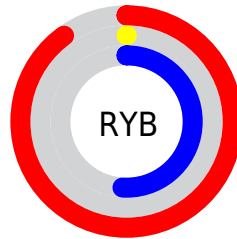
Distribution



Red (90%)

Green (0%)

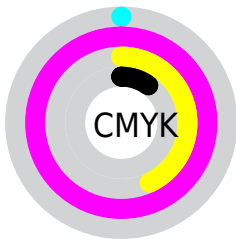
Blue (51%)



Red (90%)

Yellow (0%)

Blue (51%)

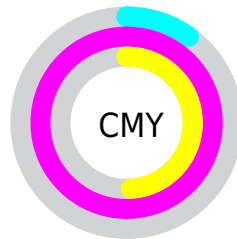


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 79.551, 356.510 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, 79.551, 356.510 by changing the saturation by 10% instead.


 50, 79.551,
356.510


 50, 79.551,
356.510


 100, 79.551,
356.510


 40, 79.551,
356.510


 70, 79.551,
356.510

 30, 79.551,
356.510


 80, 79.551,
356.510


 20, 79.551,
356.510

 90, 79.551,
356.510

 10, 79.551,
356.510

 0, 79.551, 356.510

 50, 79.551,
356.510

 50, 79.551,
356.510

■ 50, 79.534,
356.515

■ 51, 78.723,
353.207

■ 53, 75.835,
350.512

■ 56, 70.487,
348.367

■ 59, 62.975,
346.633

■ 64, 53.826,
345.193

■ 69, 43.606,
343.966

■ 74, 32.801,
342.892

■ 79, 21.781,
341.932

■ 85, 10.797,

341.050

Harmonies

Complementary

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



50, 79.551, 356.510



80, 88.443, 145.762

Rectangle

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



50, 79.551, 356.510



50, 79.551, 46.510



50, 79.551, 176.510



50, 79.551, 226.510

Sweetspot

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



50, 79.534, 356.515



81, 35.672, 342.910



35, 117.238, 310.335



41, 24.329, 343.350



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, 79.534, 356.515



55, 85.933, 356.742



48, 94.033, 37.895



45, 6.119, 341.003



39, 65.972, 355.868



7, 28.365, 350.173

Inverse Universe

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



50, 79.534, 356.515



55, 85.933, 356.742



83, 49.164, 186.558



45, 6.119, 341.003



39, 65.972, 355.868



7, 28.365, 350.173

Previews

White Background



This preview shows how the CIELCh color 50, 79.551, 356.510 looks on a white background.

Color Contrast Check

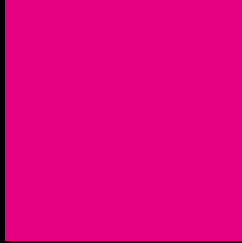
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.551, 356.510 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, 79.551, 356.510

Background



This preview shows how black text looks on a background with the CIELCh color 50, 79.551, 356.510.

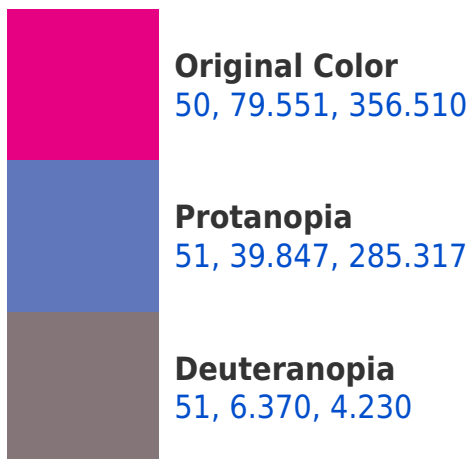


This preview shows how white text looks on a background with the CIELCh color 50, 79.551, 356.510.

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





Tritanopia
50, 77.858, 32.456

Trichromacy



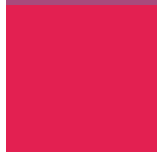
Original Color
50, 79.551, 356.510



Protanomaly
44, 57.050, 319.993



Deuteranomaly
45, 45.356, 347.836



Tritanomaly
49, 75.703, 18.648

Monochromacy



Original Color
50, 79.551, 356.510



Achromatopsia
36, 0.005, 296.813



Achromatomaly
36, 42.482, 346.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 79.551, 356.510 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, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 130)  
}
```

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, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 79.551, 356.510 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, 0, 130) }
```

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

```
.border{ border-color:rgb(230, 0, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 0, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(230, 0,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 79.551, 356.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 130) }
```

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

```
.background{ background-color: rgb(230, 0,  
130) }
```

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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