

# Converting Colors

CIELCh(56, 80.893, 3.740)

Have a look what the booklet for  
CIELCh(56, 80.893, 3.740) contains.

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# Color

**CIELCh(56, 80.831, 3.585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE2481
RGB	254, 36, 129
RGB Percent	100%, 14%, 51%
CMY	0.0040, 0.8588, 0.4942
CMYK	0.00, 0.86, 0.49, 0.00
HSL	334°, 99%, 57%
HSV	334°, 86%, 100%
XYZ	45.4588, 23.9124, 22.9840
YIQ	111.7840, 100.0750, 75.1390

# Conversions

## Conversions Part 2

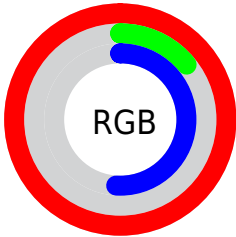
<b>Format</b>	<b>Color</b>
<b>RYB</b>	254, 36, 129
Decimal	16655489
CIELab	56.00, 80.67, 5.05
CIElCh	56, 80.831, 3.585
Yxy	23.9124, 0.4922, 0.2589
Android (android.graphics.Color)	4294845569 (0xFFFE2481)
YUV	111.7840, 8.4875, 124.7234
Hunter-Lab	48.9003, 80.3617, 6.3629

# Details

The CIELCh color **56, 80.831, 3.585** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **89, 75.874, 155.892**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 63.192, 350.451**, and **41, 68.068, 9.969** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.539, 8.101**, and if you desaturate by 10%, it is **58, 75.998, 359.991**.

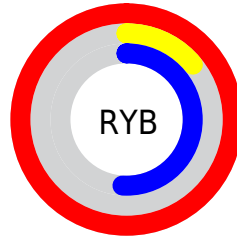
# Distribution



Red (100%)

Green (14%)

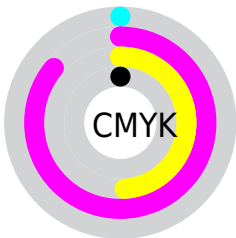
Blue (51%)



Red (100%)

Yellow (14%)

Blue (51%)

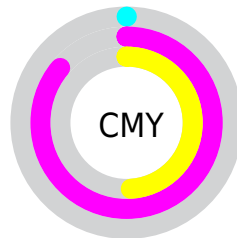


Cyan (0%)

Magenta (86%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 80.831, 3.585 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 56, 80.831, 3.585 by changing the saturation by 10% instead.




 56, 80.831, 3.585       56, 80.831, 3.585

 100, 80.831, 3.585       46, 80.831, 3.585

 76, 80.831, 3.585       36, 80.831, 3.585


 86, 80.831, 3.585       26, 80.831, 3.585

 96, 80.831, 3.585       16, 80.831, 3.585

 6, 80.831, 3.585

 0, 80.831, 3.585

 56, 80.831, 3.585       56, 80.831, 3.585

 55, 83.539, 8.101       58, 75.998,  
359.991

 54, 84.358, 10.178

62, 68.978,  
357.167

66, 60.138,  
354.931

71, 50.035,  
353.126

77, 39.215,  
351.631

83, 28.114,  
350.361

89, 17.040,  
349.255

96, 6.185, 348.238

100, 0.353,  
201.261

# Harmonies

# Complementary

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



56, 80.831, 3.585



89, 75.874, 155.892

# Rectangle

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



56, 80.831, 3.585



56, 80.831, 53.585



56, 80.831, 183.585



56, 80.831, 233.585

# Sweetspot

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



56, 80.827, 3.586



83, 28.397, 350.382



47, 115.655, 314.178



42, 19.300, 350.802



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 80.827, 3.586



54, 84.615, 10.190



56, 92.872, 37.940



50, 6.086, 348.612



41, 68.080, 9.219



10, 31.376, 2.540





# Inverse Universe

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



56, 80.827, 3.586



54, 84.615, 10.190



87, 45.110, 206.511



50, 6.086, 348.612



41, 68.080, 9.219



10, 31.376, 2.540



# Previews

## White Background



This preview shows how the CIELCh color 56, 80.831, 3.585 looks on a white background.

## Color Contrast Check

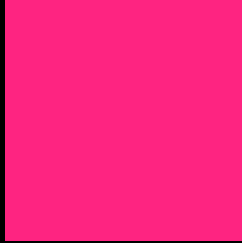
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 80.831, 3.585 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 56, 80.831, 3.585**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 56, 80.831, 3.585.

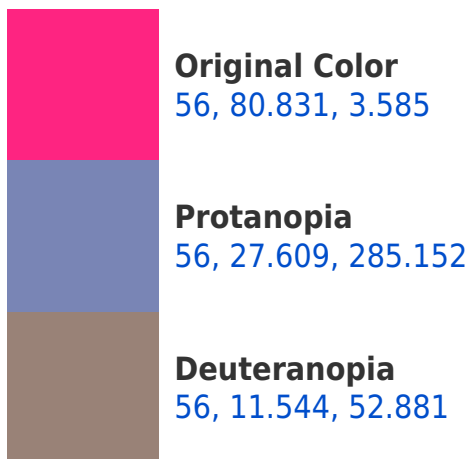


This preview shows how white text looks on a background with the CIELCh color 56, 80.831, 3.585.

# 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**  
56, 83.609, 32.509



# Trichromacy



**Original Color**  
56, 80.831, 3.585



**Protanomaly**  
52, 44.482, 329.635



**Deuteranomaly**  
53, 40.676, 3.447



**Tritanomaly**  
56, 80.247, 22.222

# Monochromacy



**Original Color**  
56, 80.831, 3.585



**Achromatopsia**  
47, 0.006, 296.813



**Achromatomaly**  
46, 37.247, 353.495

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 80.831, 3.585 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(254, 36, 129)` looks like.

```
.text, #text, p{  
    color:rgb(254, 36, 129)  
}
```

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(254, 36, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 36, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 80.831, 3.585 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(254, 36, 129) }
```

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

```
.border{ border-color:rgb(254, 36, 129) }
```

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

Here you see how a box with a 4 pixel rgb(254, 36, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 36, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 36, 129);  
box-shadow:4px 4px 4px 4px rgb(254, 36,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 80.831, 3.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 36, 129) }
```

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

```
.background{ background-color: rgb(254, 36,  
129) }
```

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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