

# Converting Colors

CIELCh(80, 40.159, 333.769)

Have a look what the booklet for  
CIELCh(80, 40.159, 333.769)  
contains.

<b>CIELCh(80, 40.008, 334.003)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(80, 40.008, 334.003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAAFE8
RGB	250, 175, 232
RGB Percent	98%, 69%, 91%
CMY	0.0204, 0.3145, 0.0910
CMYK	0.00, 0.30, 0.07, 0.02
HSL	314°, 88%, 83%
HSV	314°, 30%, 98%
XYZ	69.1752, 56.6813, 83.4845
YIQ	203.9230, 26.4030, 33.6270

# Conversions

## Conversions Part 2

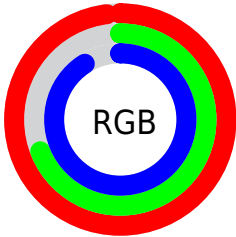
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 175, 232
Decimal	16429032
CIE Lab	80.00, 35.96, -17.54
CIE LCh	80, 40.008, 334.003
Yxy	56.6813, 0.3304, 0.2708
Android (android.graphics.Color)	4294619112 (0xFFFAAFE8)
YUV	203.9230, 13.8420, 40.4095
Hunter-Lab	75.2870, 32.2572, -13.0448

# Details

The CIELCh color `80, 40.008, 334.003` is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be `92, 39.748, 149.601`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `94, 14.992, 324.942`, and `60, 40.273, 334.349` is the 20% darker color. If you saturate the color by 10%, you get `75, 52.952, 334.756`, and if you desaturate by 10%, it is `86, 26.675, 333.284`.

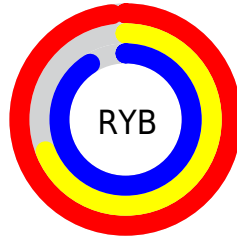
# Distribution



Red (98%)

Green (69%)

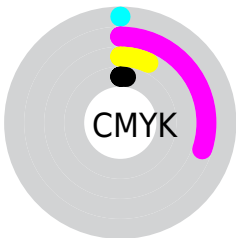
Blue (91%)



Red (98%)

Yellow (69%)

Blue (91%)

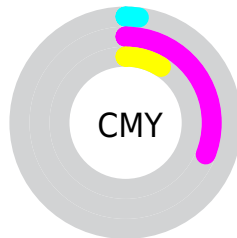


Cyan (0%)

Magenta (30%)

Yellow (7%)

Black (2%)



Cyan (2%)

Magenta (31%)


Yellow (9%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 40.008, 334.003 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 80, 40.008, 334.003 by changing the saturation by 10% instead.





 80, 40.008,  
334.003


 80, 40.008,  
334.003


 100, 40.008,  
334.003


 70, 40.008,  
334.003

 60, 40.008,  
334.003

 50, 40.008,  
334.003

 40, 40.008,  
334.003


 30, 40.008,  
334.003


 20, 40.008,  
334.003


 10, 40.008,

334.003


 0, 40.008, 334.003


 80, 40.008,  
334.003


 80, 40.008,  
334.003

 75, 52.952,  
334.756


 86, 26.675,  
333.284


 70, 65.071,  
335.551


 92, 13.281,  
332.589

 65, 75.796,  
336.401

 98, 0.034, 320.787

 62, 84.493,  
337.329

 100, 1.809,  
199.657

 59, 90.586,  
338.373

■ 57, 93.753,  
339.582

■ 56, 94.335,  
340.989

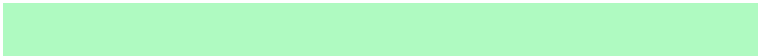
# Harmonies

# Complementary

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



80, 40.008, 334.003



92, 39.748, 149.601

# Rectangle

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



80, 40.008, 334.003



80, 40.008, 24.003



80, 40.008, 154.003



80, 40.008, 204.003

# Sweetspot

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



80, 40.005, 334.004



94, 12.124, 332.519



75, 41.039, 301.631



49, 8.433, 332.620



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



80, 40.005, 334.004



78, 48.627, 334.452



79, 30.161, 1.706



49, 7.536, 332.553



42, 76.636, 340.715



11, 35.440, 338.775



# Inverse Universe

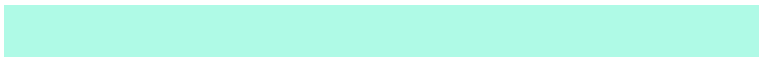
The Inverse Universe completely reimagines the original color for something new.



80, 40.005, 334.004



78, 48.627, 334.452



93, 27.257, 175.351



49, 7.536, 332.553



42, 76.636, 340.715



11, 35.440, 338.775



# Previews

## White Background



This preview shows how the CIELCh color 80, 40.008, 334.003 looks on a white background.

## Color Contrast Check

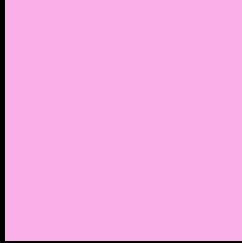
Large Text (above 18pt) WCAG AA × Fail

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 80, 40.008, 334.003 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

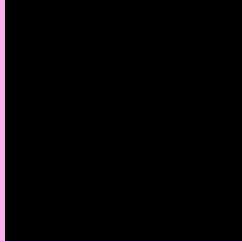
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 80, 40.008, 334.003

## Background



This preview shows how black text looks on a background with the CIELCh color 80, 40.008, 334.003.



This preview shows how white text looks on a background with the CIELCh color 80, 40.008, 334.003.

# 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**  
80, 40.008, 334.003

**Protanopia**  
80, 26.741, 285.566

**Deuteranopia**  
80, 18.526, 302.511





**Tritanopia**  
80, 24.793, 5.545

# Trichromacy



**Original Color**  
80, 40.008, 334.003



**Protanomaly**  
80, 28.782, 306.810



**Deuteranomaly**  
80, 25.468, 319.910

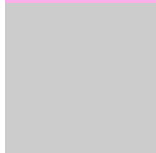


**Tritanomaly**  
80, 29.335, 350.567

# Monochromacy



**Original Color**  
80, 40.008, 334.003



**Achromatopsia**  
82, 0.010, 296.813



**Achromatomaly**  
81, 15.125, 333.148

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 80, 40.008, 334.003 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(250, 175, 232)` looks like.

```
.text, #text, p{  
    color:rgb(250, 175, 232)  
}
```

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(250, 175, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 175, 232) }
```

## Border

The CSS property to change the border of an element to CIELCh 80, 40.008, 334.003 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(250, 175, 232) }
```

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

```
.border{ border-color:rgb(250, 175, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 175, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 175, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 175, 232);  
box-shadow:4px 4px 4px 4px rgb(250, 175,  
232) }
```

# Background

The CSS property to change the background color of an element to CIELCh 80, 40.008, 334.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 175, 232) }
```

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

```
.background{ background-color: rgb(250,  
175, 232) }
```

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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