

Converting Colors

CIELCh(80, 45.630, 333.014)

Have a look what the booklet for
CIELCh(80, 45.630, 333.014)
contains.

CIELCh(80, 45.750, 332.769)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 45.750, 332.769)

Conversions

Conversions Part 1

Format	Color
Hex	FFABEE
RGB	255, 171, 238
RGB Percent	100%, 67%, 93%
CMY	0.0000, 0.3286, 0.0659
CMYK	0.00, 0.33, 0.07, 0.00
HSL	312°, 100%, 84%
HSV	312°, 33%, 100%
XYZ	71.3759, 56.6813, 88.2201
YIQ	203.7540, 28.5570, 38.6450

Conversions

Conversions Part 2

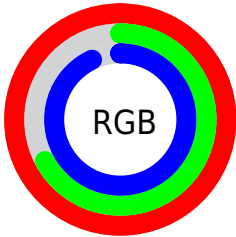
Format	Color
R _Y B	255, 171, 238
Decimal	16755694
CIE Lab	80.00, 40.68, -20.93
CIE LCh	80, 45.750, 332.769
Yxy	56.6813, 0.3300, 0.2621
Android (android.graphics.Color)	4294945774 (0xFFFFABEE)
YUV	203.7540, 16.8833, 44.9427
Hunter-Lab	75.2870, 37.4749, -16.7742

Details

The CIELCh color `80, 45.750, 332.769` is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be `93, 45.518, 147.952`, and the grayscale version is `82, 0.010, 296.813`.

A 20% lighter version of the original color is `93, 17.506, 325.031`, and `60, 45.918, 332.701` is the 20% darker color. If you saturate the color by 10%, you get `75, 59.009, 333.400`, and if you desaturate by 10%, it is `86, 31.868, 332.006`.

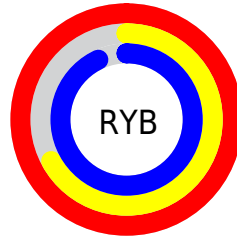
Distribution



Red (100%)

Green (67%)

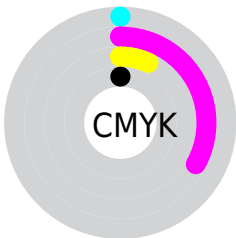
Blue (93%)



Red (100%)

Yellow (67%)

Blue (93%)

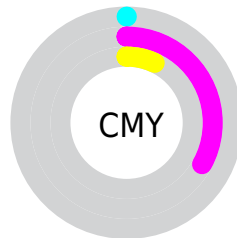


Cyan (0%)

Magenta (33%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 45.750, 332.769 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, 45.750, 332.769 by changing the saturation by 10% instead.


 80, 45.750,
332.769


 80, 45.750,
332.769


 100, 45.750,
332.769


 70, 45.750,
332.769

 60, 45.750,
332.769

 50, 45.750,
332.769

 40, 45.750,
332.769


 30, 45.750,
332.769


 20, 45.750,
332.769

 10, 45.750,


332.769


 0, 45.750, 332.769


 80, 45.750,
332.769


 80, 45.750,
332.769


 75, 59.009,
333.400

 86, 31.868,
332.006


 70, 71.283,
334.133


 92, 17.867,
331.337

 66, 81.916,
334.899

 98, 3.954, 330.630

100, 0.012,
296.813

 62, 90.265,
335.716

 60, 95.805,
336.611

■ 58, 98.331,
337.624

■ 58, 98.636,
338.429

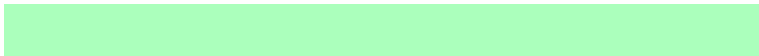
Harmonies

Complementary

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



80, 45.750, 332.769



93, 45.518, 147.952

Rectangle

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



80, 45.750, 332.769



80, 45.750, 22.769



80, 45.750, 152.769



80, 45.750, 202.769

Sweetspot

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



80, 45.705, 332.692



94, 13.865, 331.147



74, 45.834, 300.816



49, 9.468, 331.240



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, 45.705, 332.692



77, 53.960, 333.124



79, 34.093, 359.739



50, 7.880, 331.114



43, 79.651, 338.215



11, 37.313, 336.777

Inverse Universe

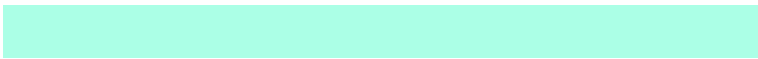
The Inverse Universe completely reimagines the original color for something new.



80, 45.705, 332.692



77, 53.960, 333.124



94, 30.885, 172.639



50, 7.880, 331.114



43, 79.651, 338.215



11, 37.313, 336.777

Previews

White Background



This preview shows how the CIELCh color 80, 45.750, 332.769 looks on a white background.

Color Contrast Check

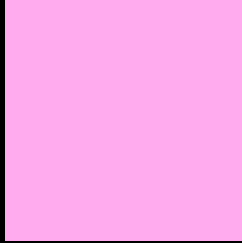
Large Text (above 18pt) WCAG AA × Fail

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, 45.750, 332.769 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, 45.750, 332.769

Background



This preview shows how black text looks on a background with the CIELCh color 80, 45.750, 332.769.



This preview shows how white text looks on a background with the CIELCh color 80, 45.750, 332.769.

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
80, 27.085, 7.178

Trichromacy



Original Color
80, 45.750, 332.769



Protanomaly
80, 33.514, 305.515



Deuteranomaly
80, 29.398, 316.636

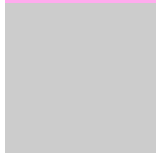


Tritanomaly
80, 31.974, 350.438

Monochromacy



Original Color
80, 45.750, 332.769



Achromatopsia
82, 0.010, 296.813



Achromatomaly
81, 17.019, 332.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 45.750, 332.769 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(255, 171, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 171, 238)  
}
```

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(255, 171, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 171, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 45.750, 332.769 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(255, 171, 238) }
```

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

```
.border{ border-color:rgb(255, 171, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 171, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 171, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 171, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 171,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 45.750, 332.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 171, 238) }
```

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

```
.background{ background-color: rgb(255,  
171, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor