

Converting Colors

CIELCh(77, 30.769, 353.366)

Have a look what the booklet for
CIELCh(77, 30.769, 353.366)
contains.

CIELCh(77, 30.631, 353.231)	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(77, 30.631, 353.231)

Conversions

Conversions Part 1

Format	Color
Hex	F2AAC6
RGB	242, 170, 198
RGB Percent	95%, 67%, 78%
CMY	0.0522, 0.3344, 0.2246
CMYK	0.00, 0.30, 0.18, 0.05
HSL	337°, 73%, 81%
HSV	337°, 30%, 95%
XYZ	60.9965, 51.5317, 59.9854
YIQ	194.7200, 33.9240, 23.9720

Conversions

Conversions Part 2

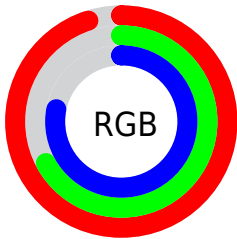
Format	Color
R _Y B	242, 170, 198
Decimal	15903430
CIE Lab	77.00, 30.42, -3.61
CIE LCh	77, 30.631, 353.231
Yxy	51.5317, 0.3536, 0.2987
Android (android.graphics.Color)	4294093510 (0xFFF2AAC6)
YUV	194.7200, 1.6170, 41.4646
Hunter-Lab	71.7856, 26.0473, 0.7061

Details

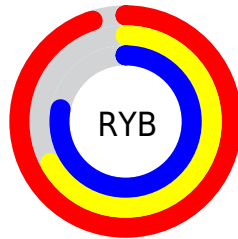
The CIELCh color **77, 30.631, 353.231** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **90, 28.781, 167.165**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 18.134, 325.054**, and **57, 30.659, 353.569** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.110, 354.647**, and if you desaturate by 10%, it is **83, 20.121, 352.024**.

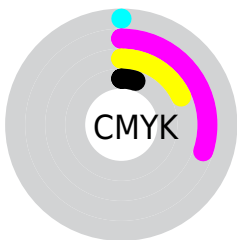
Distribution



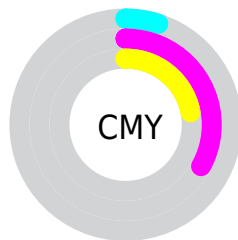
- Red (95%)
- Green (67%)
- Blue (78%)



- Red (95%)
- Yellow (67%)
- Blue (78%)



- Cyan (0%)
- Magenta (30%)
- Yellow (18%)
- Black (5%)





- Cyan (5%)
- Magenta (33%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 30.631, 353.231 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 77, 30.631, 353.231 by changing the saturation by 10% instead.


 77, 30.631,
353.231


 77, 30.631,
353.231


 100, 30.631,
353.231


 67, 30.631,
353.231


 97, 30.631,
353.231

 57, 30.631,
353.231

 47, 30.631,
353.231

 37, 30.631,
353.231

 27, 30.631,
353.231

 17, 30.631,
353.231

 7, 30.631, 353.231

0, 30.631, 353.231

77, 30.631,
353.231

77, 30.631,
353.231

71, 41.110,
354.647

83, 20.121,
352.024

66, 51.239,
356.341

89, 9.801, 350.953

61, 60.569,
358.423

96, 0.211, 172.523

99, 4.585, 199.259

58, 68.578, 1.035

55, 74.796, 4.356

53, 79.031, 8.560

51, 81.746, 13.627

■ 51, 81.807, 13.741

Harmonies

Complementary

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



77, 30.631, 353.231



90, 28.781, 167.165

Rectangle

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



77, 30.631, 353.231



77, 30.631, 43.231



77, 30.631, 173.231



77, 30.631, 223.231

Sweetspot

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



77, 30.628, 353.233



94, 9.409, 350.876



76, 41.556, 313.808



49, 6.553, 351.026



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 30.628, 353.233



77, 38.821, 354.099



78, 26.107, 29.847



47, 5.654, 350.922



39, 66.403, 12.718



8, 28.812, 4.294

Inverse Universe

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



77, 30.628, 353.233



77, 38.821, 354.099



89, 21.089, 208.414



47, 5.654, 350.922



39, 66.403, 12.718



8, 28.812, 4.294

Previews

White Background



This preview shows how the CIELCh color 77, 30.631, 353.231 looks on a white background.

Color Contrast Check

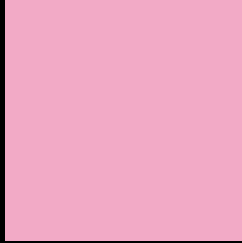
Large Text (above 18pt) WCAG AA × Fail

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 77, 30.631, 353.231 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 77, 30.631, 353.231

Background



This preview shows how black text looks on a background with the CIELCh color 77, 30.631, 353.231.

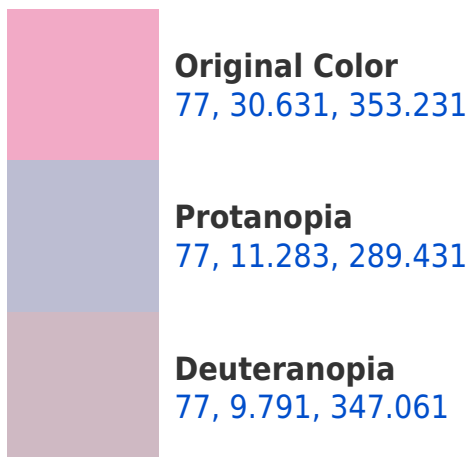



This preview shows how white text looks on a background with the CIELCh color 77, 30.631, 353.231.

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
77, 26.929, 7.049

Trichromacy



Original Color
77, 30.631, 353.231

Protanomaly
77, 16.039, 327.277

Deuteranomaly
77, 17.792, 350.270

Tritanomaly
77, 28.346, 1.214

Monochromacy



Original Color
77, 30.631, 353.231

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 11.076, 351.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 30.631, 353.231 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(242, 170, 198)` looks like.

```
.text, #text, p{  
    color:rgb(242, 170, 198)  
}
```

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(242, 170, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 170, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 30.631, 353.231 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(242, 170, 198) }
```

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

```
.border{ border-color:rgb(242, 170, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 170, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 170, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 170, 198);  
box-shadow:4px 4px 4px 4px rgb(242, 170,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 30.631, 353.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 170, 198) }
```

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

```
.background{ background-color: rgb(242,  
170, 198) }
```

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