

Converting Colors

CIELCh(75, 40.706, 5.092)

Have a look what the booklet for
CIELCh(75, 40.706, 5.092) contains.

CIELCh(75, 40.395, 4.401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(75, 40.395, 4.401)

Conversions

Conversions Part 1

Format	Color
Hex	FF9BB4
RGB	255, 155, 180
RGB Percent	100%, 61%, 71%
CMY	0.0000, 0.3902, 0.2922
CMYK	0.00, 0.39, 0.29, 0.00
HSL	345°, 100%, 80%
HSV	345°, 39%, 100%
XYZ	61.5232, 48.2781, 49.5122
YIQ	187.7500, 51.5750, 28.9750

Conversions

Conversions Part 2

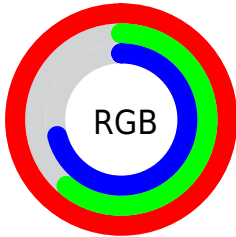
Format	Color
RYP	255, 155, 180
Decimal	16751540
CIELab	75.00, 40.28, 3.10
CIElCh	75, 40.395, 4.401
Yxy	48.2781, 0.3862, 0.3030
Android (android.graphics.Color)	4294941620 (0xFFFF9BB4)
YUV	187.7500, -3.8207, 58.9783
Hunter-Lab	69.4824, 36.4584, 6.3885

Details

The CIELCh color $75, 40.395, 4.401$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $94, 34.890, 175.467$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 20.438, 341.540$, and $55, 40.266, 4.740$ is the 20% darker color. If you saturate the color by 10%, you get $69, 50.872, 6.232$, and if you desaturate by 10%, it is $81, 29.464, 2.697$.

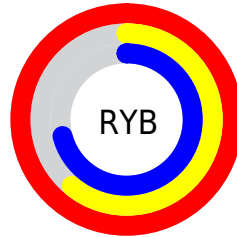
Distribution



Red (100%)

Green (61%)

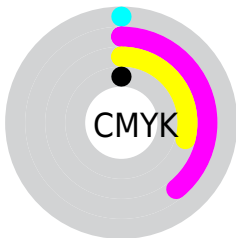
Blue (71%)



Red (100%)

Yellow (61%)

Blue (71%)

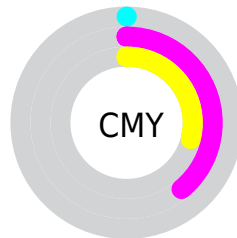


Cyan (0%)

Magenta (39%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (39%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 40.395, 4.401 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 75, 40.395, 4.401 by changing the saturation by 10% instead.

 75, 40.395, 4.401

 75, 40.395, 4.401

 100, 40.395, 4.401

 65, 40.395, 4.401

 95, 40.395, 4.401

 55, 40.395, 4.401

 45, 40.395, 4.401

 35, 40.395, 4.401

 25, 40.395, 4.401

 15, 40.395, 4.401

 5, 40.395, 4.401

 0, 40.395, 4.401

 75, 40.395, 4.401

 75, 40.395, 4.401

69, 50.872, 6.232

81, 29.464, 2.697

64, 61.091, 8.676

87, 18.937, 1.377

60, 70.394, 11.778

94, 8.782, 0.234

57, 78.377, 15.702

100, 0.012,
296.813

55, 84.894, 20.538

54, 90.284, 26.076

54, 90.815, 26.604

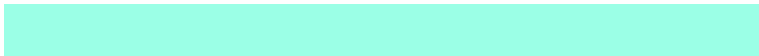
Harmonies

Complementary

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



75, 40.395, 4.401



94, 34.890, 175.467

Rectangle

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



75, 40.395, 4.401



75, 40.395, 54.401



75, 40.395, 184.401



75, 40.395, 234.401

Sweetspot

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



75, 40.200, 4.283



92, 11.759, 0.563



74, 58.494, 318.463



48, 7.823, 0.709



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 40.200, 4.283



70, 48.734, 5.802



79, 33.970, 42.628



50, 5.539, 0.287



40, 72.575, 25.526



10, 31.694, 15.921

Inverse Universe

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



75, 40.200, 4.283



70, 48.734, 5.802



88, 25.773, 226.387



50, 5.539, 0.287



40, 72.575, 25.526



10, 31.694, 15.921

Previews

White Background



This preview shows how the CIELCh color 75, 40.395, 4.401 looks on a white background.

Color Contrast Check

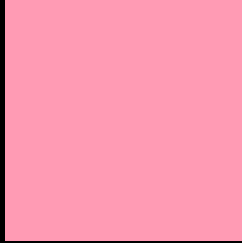
Large Text (above 18pt) WCAG AA × Fail

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 75, 40.395, 4.401 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 75, 40.395, 4.401

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.395, 4.401.

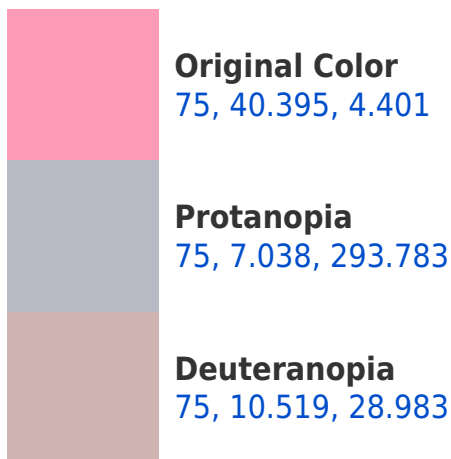


This preview shows how white text looks on a background with the CIELCh color 75, 40.395, 4.401.

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
75, 38.623, 13.758

Trichromacy



Original Color
75, 40.395, 4.401



Protanomaly
75, 16.287, 346.679



Deuteranomaly
75, 21.268, 9.741



Tritanomaly
75, 39.122, 10.037

Monochromacy



Original Color
75, 40.395, 4.401



Achromatopsia
76, 0.009, 296.813



Achromatomaly
75, 14.474, 1.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.395, 4.401 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, 155, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 155, 180)  
}
```

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, 155, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 155, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.395, 4.401 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, 155, 180) }
```

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

```
.border{ border-color:rgb(255, 155, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 155, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 155, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 155, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 155,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.395, 4.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 155, 180) }
```

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

```
.background{ background-color: rgb(255,  
155, 180) }
```

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