

# Converting Colors

CIELCh(75, 36.116, 22.725)

Have a look what the booklet for  
CIELCh(75, 36.116, 22.725) contains.

<b>CIELCh(75, 35.797, 22.695)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(75, 35.797, 22.695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAA1A1
RGB	250, 161, 161
RGB Percent	98%, 63%, 63%
CMY	0.0204, 0.3693, 0.3693
CMYK	0.00, 0.36, 0.36, 0.02
HSL	0°, 90%, 81%
HSV	0°, 36%, 98%
XYZ	58.4807, 48.2781, 39.8707
YIQ	187.6110, 53.0440, 18.8680

# Conversions

## Conversions Part 2

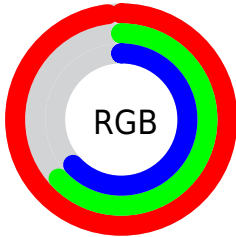
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 161, 161
Decimal	16425377
CIE Lab	75.00, 33.03, 13.81
CIE LCh	75, 35.797, 22.695
Yxy	48.2781, 0.3988, 0.3293
Android (android.graphics.Color)	4294615457 (0xFFFAA1A1)
YUV	187.6110, -13.1192, 54.7152
Hunter-Lab	69.4824, 28.6423, 14.6157

# Details

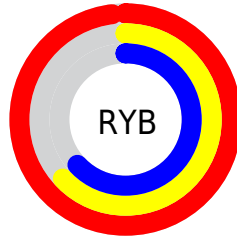
The CIELCh color **75, 35.797, 22.695** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **93, 27.842, 197.676**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 14.106, 22.476**, and **55, 35.750, 22.072** is the 20% darker color. If you saturate the color by 10%, you get **69, 47.392, 24.359**, and if you desaturate by 10%, it is **81, 24.808, 21.431**.

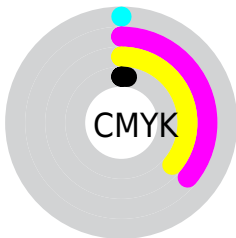
# Distribution



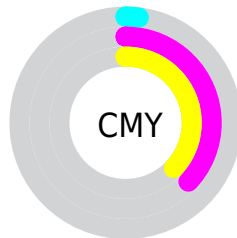
- Red (98%)
- Green (63%)
- Blue (63%)



- Red (98%)
- Yellow (63%)
- Blue (63%)



- Cyan (0%)
- Magenta (36%)
- Yellow (36%)
- Black (2%)



- Cyan (2%)
- Magenta (37%)
- Yellow (37%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 35.797, 22.695 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, 35.797, 22.695 by changing the saturation by 10% instead.



 75, 35.797, 22.695

 75, 35.797, 22.695

 100, 35.797,  
22.695

 65, 35.797, 22.695

 95, 35.797, 22.695

 55, 35.797, 22.695

 45, 35.797, 22.695

 35, 35.797, 22.695

 25, 35.797, 22.695

 15, 35.797, 22.695

 5, 35.797, 22.695

 0, 35.797, 22.695

 75, 35.797, 22.695

 75, 35.797, 22.695

69, 47.392, 24.359

81, 24.808, 21.431

64, 59.380, 26.524

88, 14.544, 20.450

60, 71.412, 29.292

94, 5.028, 19.624

56, 83.009, 32.649

100, 1.806,  
199.658

54, 93.374, 36.258

52, 100.755,  
39.117

52, 102.954,  
40.000

# Harmonies

# Complementary

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



75, 35.797, 22.695



93, 27.842, 197.676

# Rectangle

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



75, 35.797, 22.695



75, 35.797, 72.695



75, 35.797, 202.695



75, 35.797, 252.695

# Sweetspot

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



75, 35.795, 22.699



92, 10.226, 20.065



78, 55.699, 326.372



48, 6.908, 20.175



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, 35.795, 22.699



72, 45.059, 23.888



85, 29.679, 70.940



49, 5.167, 19.943



39, 83.391, 40.000



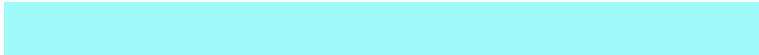
9, 32.195, 26.140





# Inverse Universe

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



93, 27.842, 197.676



94, 33.002, 197.391



81, 26.815, 261.386



51, 4.864, 198.966



69, 39.962, 196.389



23, 18.081, 196.389



# Previews

## White Background



This preview shows how the CIELCh color 75, 35.797, 22.695 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 CIE LCh color 75, 35.797, 22.695 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, 35.797, 22.695

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 35.797, 22.695.

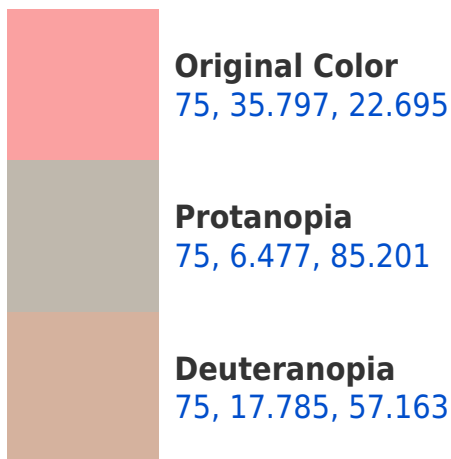


This preview shows how white text looks on a background with the CIELCh color 75, 35.797, 22.695.

# 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

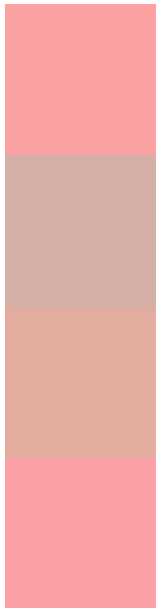




**Tritanopia**  
75, 36.582, 12.977



# Trichromacy



**Original Color**  
75, 35.797, 22.695

**Protanomaly**  
75, 14.636, 35.311

**Deuteranomaly**  
75, 22.975, 38.619

**Tritanomaly**  
75, 36.214, 16.997

# Monochromacy



**Original Color**  
75, 35.797, 22.695

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
75, 12.707, 20.443

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 35.797, 22.695 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, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(250, 161, 161)  
}
```

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, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 161, 161) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 35.797, 22.695 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, 161, 161) }
```

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

```
.border{ border-color:rgb(250, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(250, 161,  
161) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 35.797, 22.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 161, 161) }
```

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

```
.background{ background-color: rgb(250,  
161, 161) }
```

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