

# Converting Colors

CIELCh(75, 33.153, 22.424)

Have a look what the booklet for  
CIELCh(75, 33.153, 22.424) contains.

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# Color

**CIELCh(75, 33.260, 22.429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6A3A3
RGB	246, 163, 163
RGB Percent	96%, 64%, 64%
CMY	0.0364, 0.3618, 0.3618
CMYK	0.00, 0.34, 0.34, 0.04
HSL	0°, 82%, 80%
HSV	0°, 34%, 96%
XYZ	57.5446, 48.2781, 40.8155
YIQ	187.8170, 49.4680, 17.5960

# Conversions

## Conversions Part 2

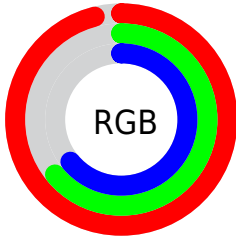
Format	Color
R <sub>Y</sub> B	246, 163, 163
Decimal	16163747
CIE Lab	75.00, 30.74, 12.69
CIE LCh	75, 33.260, 22.429
Yxy	48.2781, 0.3924, 0.3292
Android (android.graphics.Color)	4294353827 (0xFFFF6A3A3)
YUV	187.8170, -12.2348, 51.0265
Hunter-Lab	69.4824, 26.2374, 13.8095

# Details

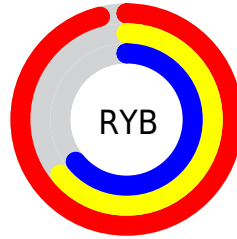
The CIELCh color **75, 33.260, 22.429** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **92, 26.257, 197.754**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 13.322, 22.530**, and **55, 33.581, 22.557** is the 20% darker color. If you saturate the color by 10%, you get **69, 44.601, 24.009**, and if you desaturate by 10%, it is **81, 22.545, 21.228**.

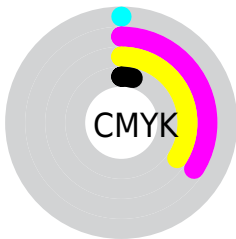
# Distribution



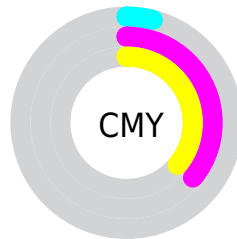
- Red (96%)
- Green (64%)
- Blue (64%)



- Red (96%)
- Yellow (64%)
- Blue (64%)



- Cyan (0%)
- Magenta (34%)
- Yellow (34%)
- Black (4%)



- Cyan (4%)
- Magenta (36%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 33.260, 22.429 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, 33.260, 22.429 by changing the saturation by 10% instead.



75, 33.260, 22.429

75, 33.260, 22.429

100, 33.260,  
22.429

65, 33.260, 22.429

95, 33.260, 22.429

55, 33.260, 22.429

45, 33.260, 22.429

35, 33.260, 22.429

25, 33.260, 22.429

15, 33.260, 22.429

5, 33.260, 22.429

0, 33.260, 22.429

75, 33.260, 22.429

75, 33.260, 22.429

69, 44.601, 24.009

81, 22.545, 21.228

64, 56.379, 26.068

88, 12.555, 20.290

59, 68.275, 28.715

94, 3.302, 19.440

56, 79.846, 31.968

99, 3.212, 199.408

53, 90.401, 35.578

52, 98.451, 38.692

51, 101.678,  
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, 33.260, 22.429



92, 26.257, 197.754

# Rectangle

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



75, 33.260, 22.429



75, 33.260, 72.429



75, 33.260, 202.429



75, 33.260, 252.429

# Sweetspot

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



75, 33.258, 22.433



93, 9.259, 19.984



77, 52.186, 326.275



49, 6.353, 20.097



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, 33.258, 22.433



73, 42.684, 23.543



85, 27.637, 71.180



48, 5.080, 19.941



39, 82.550, 40.000



8, 31.024, 25.007





# Inverse Universe

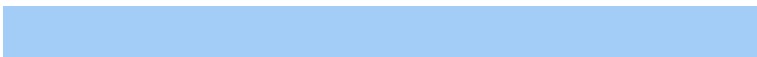
The Inverse Universe completely reimagines the original color for something new.



92, 26.257, 197.754



94, 31.780, 197.463



81, 25.119, 260.971



50, 4.783, 198.966



69, 39.560, 196.388



22, 17.589, 196.388



# Previews

## White Background



This preview shows how the CIELCh color 75, 33.260, 22.429 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, 33.260, 22.429 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, 33.260, 22.429

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.260, 22.429.

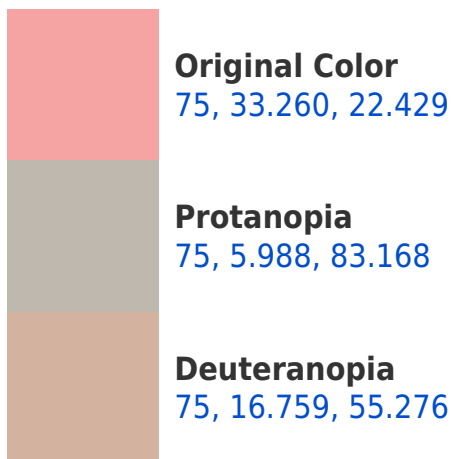


This preview shows how white text looks on a background with the CIELCh color 75, 33.260, 22.429.

# 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

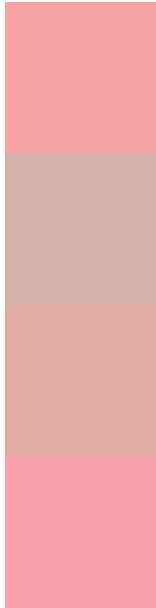




**Tritanopia**  
75, 34.160, 11.974



# Trichromacy



**Original Color**  
75, 33.260, 22.429

**Protanomaly**  
75, 14.081, 33.645

**Deuteranomaly**  
75, 21.767, 36.664

**Tritanomaly**  
75, 33.735, 16.286

# Monochromacy



**Original Color**  
75, 33.260, 22.429

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
75, 11.500, 20.327

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 33.260, 22.429 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(246, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(246, 163, 163)  
}
```

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(246, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 163, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 33.260, 22.429 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(246, 163, 163) }
```

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

```
.border{ border-color:rgb(246, 163, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(246, 163,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 33.260, 22.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 163, 163) }
```

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

```
.background{ background-color: rgb(246,  
163, 163) }
```

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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