

# Converting Colors

CIELCh(75, 32.983, 29.084)

Have a look what the booklet for  
CIELCh(75, 32.983, 29.084) contains.

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# Color

**CIELCh(75, 32.783, 28.716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4A49D
RGB	244, 164, 157
RGB Percent	96%, 64%, 62%
CMY	0.0427, 0.3564, 0.3839
CMYK	0.00, 0.33, 0.36, 0.04
HSL	5°, 80%, 79%
HSV	5°, 36%, 96%
XYZ	56.7350, 48.2781, 38.2710
YIQ	187.1220, 49.9270, 14.7830

# Conversions

## Conversions Part 2

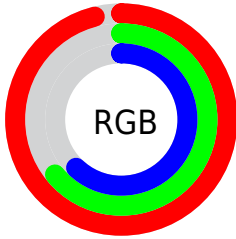
Format	Color
R <sub>Y</sub> B	244, 165, 157
Decimal	16032925
CIE Lab	75.00, 28.75, 15.75
CIE LCh	75, 32.783, 28.716
Yxy	48.2781, 0.3960, 0.3369
Android (android.graphics.Color)	4294223005 (0xFFF4A49D)
YUV	187.1220, -14.8501, 49.8820
Hunter-Lab	69.4824, 24.1577, 15.9807

# Details

The CIELCh color **75, 32.783, 28.716** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **89, 25.244, 206.213**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 13.733, 37.681**, and **55, 33.019, 28.097** is the 20% darker color. If you saturate the color by 10%, you get **70, 43.613, 29.876**, and if you desaturate by 10%, it is **81, 22.649, 27.868**.

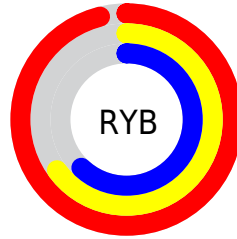
# Distribution



Red (96%)

Green (64%)

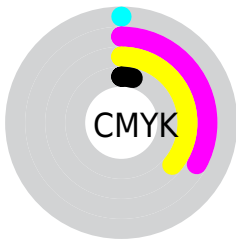
Blue (62%)



Red (96%)

Yellow (65%)

Blue (62%)

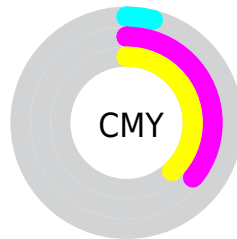


Cyan (0%)

Magenta (33%)

Yellow (36%)

Black (4%)



Cyan (4%)

Magenta (36%)

Yellow (38%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 32.783, 28.716 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, 32.783, 28.716 by changing the saturation by 10% instead.



 75, 32.783, 28.716

 75, 32.783, 28.716

 100, 32.783,  
28.716

 65, 32.783, 28.716

 95, 32.783, 28.716

 55, 32.783, 28.716

 45, 32.783, 28.716

 35, 32.783, 28.716

 25, 32.783, 28.716

 15, 32.783, 28.716

 5, 32.783, 28.716

 0, 32.783, 28.716

 75, 32.783, 28.716

 75, 32.783, 28.716

70, 43.613, 29.876

81, 22.649, 27.868

65, 55.025, 31.410

87, 13.256, 27.241

60, 66.784, 33.380

93, 4.589, 26.721

57, 78.480, 35.755

99, 3.400, 206.760

54, 89.308, 38.257

99, 3.761, 199.343

52, 97.519, 40.082

52, 100.065,  
40.684

# Harmonies

# Complementary

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



75, 32.783, 28.716



89, 25.244, 206.213

# Rectangle

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



75, 32.783, 28.716



75, 32.783, 78.716



75, 32.783, 208.716



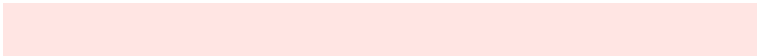
75, 32.783, 258.716

# Sweetspot

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



75, 32.781, 28.721



93, 9.473, 27.002



76, 52.318, 328.315



49, 6.401, 27.070



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, 32.781, 28.721



74, 42.167, 29.549



85, 30.172, 77.565



48, 4.705, 26.926



39, 81.392, 40.882



9, 29.376, 29.295





# Inverse Universe

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



89, 25.244, 206.213



91, 30.443, 206.290



78, 28.415, 268.318



50, 4.423, 206.524



64, 35.822, 210.365



20, 16.096, 208.336



# Previews

## White Background



This preview shows how the CIELCh color 75, 32.783, 28.716 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, 32.783, 28.716 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, 32.783, 28.716**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 75, 32.783, 28.716.

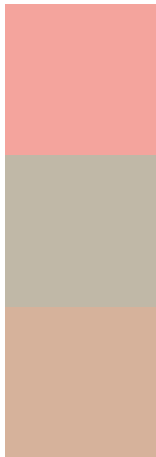


This preview shows how white text looks on a background with the CIELCh color 75, 32.783, 28.716.

# 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



### Original Color

75, 32.783, 28.716

### Protanopia

75, 9.639, 90.551

### Deuteranopia

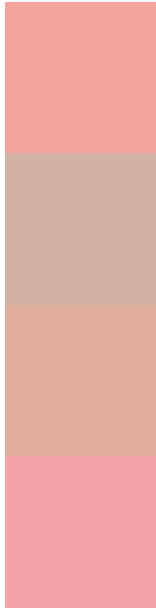
75, 19.204, 59.968



**Tritanopia**  
75, 33.343, 11.610



# Trichromacy



**Original Color**  
75, 32.783, 28.716

**Protanomaly**  
75, 15.511, 49.188

**Deuteranomaly**  
75, 23.127, 43.986

**Tritanomaly**  
75, 32.553, 17.774

# Monochromacy



**Original Color**  
75, 32.783, 28.716

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
75, 11.298, 28.435

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 32.783, 28.716 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(244, 164, 157)` looks like.

```
.text, #text, p{  
    color:rgb(244, 164, 157)  
}
```

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(244, 164, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 164, 157) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 32.783, 28.716 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(244, 164, 157) }
```

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

```
.border{ border-color:rgb(244, 164, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 164, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 164, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 164, 157);  
box-shadow:4px 4px 4px 4px rgb(244, 164,  
157) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 32.783, 28.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 164, 157) }
```

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

```
.background{ background-color: rgb(244,  
164, 157) }
```

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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