

# Converting Colors

CIELCh(76, 35.874, 21.778)

Have a look what the booklet for  
CIELCh(76, 35.874, 21.778) contains.

<b>CIELCh(76, 36.031, 21.866)</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(76, 36.031, 21.866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDA3A4
RGB	253, 163, 164
RGB Percent	99%, 64%, 64%
CMY	0.0069, 0.3599, 0.3560
CMYK	0.00, 0.36, 0.35, 0.01
HSL	359°, 96%, 82%
HSV	359°, 36%, 99%
XYZ	60.4512, 49.8872, 41.6661
YIQ	190.0240, 53.3190, 19.3910

# Conversions

## Conversions Part 2

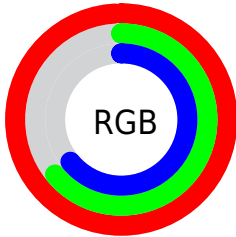
Format	Color
R <sub>YB</sub>	253, 163, 164
Decimal	16622500
CIE Lab	76.00, 33.44, 13.42
CIE LCh	76, 36.031, 21.866
Yxy	49.8872, 0.3977, 0.3282
Android (android.graphics.Color)	4294812580 (0xFFFDA3A4)
YUV	190.0240, -12.8298, 55.2300
Hunter-Lab	70.6309, 29.1696, 14.4657

# Details

The CIELCh color **76, 36.031, 21.866** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **94, 28.180, 196.621**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 13.288, 20.321**, and **56, 36.066, 22.074** is the 20% darker color. If you saturate the color by 10%, you get **70, 47.680, 23.555**, and if you desaturate by 10%, it is **82, 24.971, 20.576**.

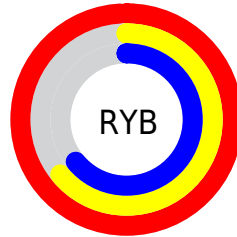
# Distribution



Red (99%)

Green (64%)

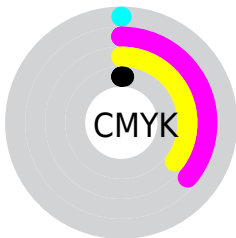
Blue (64%)



Red (99%)

Yellow (64%)

Blue (64%)

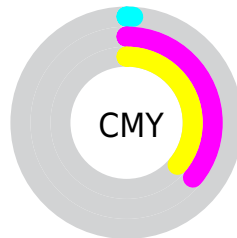


Cyan (0%)

Magenta (36%)

Yellow (35%)

Black (1%)



Cyan (1%)

Magenta (36%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 36.031, 21.866 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 76, 36.031, 21.866 by changing the saturation by 10% instead.



76, 36.031, 21.866

76, 36.031, 21.866

100, 36.031,  
21.866

66, 36.031, 21.866

96, 36.031, 21.866

56, 36.031, 21.866

46, 36.031, 21.866

36, 36.031, 21.866

26, 36.031, 21.866

16, 36.031, 21.866

6, 36.031, 21.866

0, 36.031, 21.866

76, 36.031, 21.866

76, 36.031, 21.866

70, 47.680, 23.555

82, 24.971, 20.576

65, 59.696, 25.747

89, 14.623, 19.569

60, 71.732, 28.549

96, 5.017, 18.715

57, 83.318, 31.965

100, 0.612,  
200.450

54, 93.730, 35.694

53, 101.382,  
38.804

53, 103.587,  
39.693

# Harmonies

# Complementary

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



76, 36.031, 21.866



94, 28.180, 196.621

# Rectangle

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



76, 36.031, 21.866



76, 36.031, 71.866



76, 36.031, 201.866



76, 36.031, 251.866

# Sweetspot

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



76, 36.028, 21.870



92, 10.222, 19.177



78, 55.978, 325.886



48, 6.905, 19.291



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



76, 36.028, 21.870



72, 44.921, 23.085



86, 29.749, 69.221



49, 5.253, 19.053



40, 83.725, 39.564



10, 33.275, 26.739





# Inverse Universe

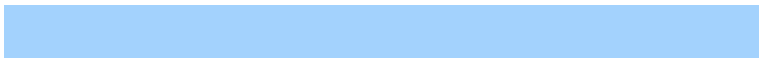
The Inverse Universe completely reimagines the original color for something new.



76, 36.028, 21.870



72, 44.921, 23.085



82, 26.592, 259.489



49, 5.253, 19.053



40, 83.725, 39.564

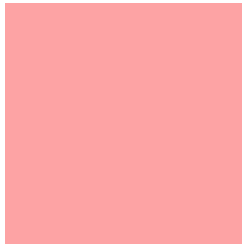


10, 33.275, 26.739



# Previews

## White Background



This preview shows how the CIELCh color 76, 36.031, 21.866 looks on a white background.

## Color Contrast Check

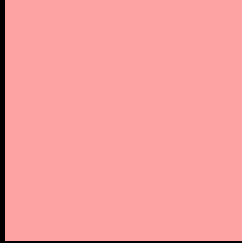
Large Text (above 18pt) WCAG AA × Fail

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 76, 36.031, 21.866 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 76, 36.031, 21.866**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 76, 36.031, 21.866.



This preview shows how white text looks on a background with the CIELCh color 76, 36.031, 21.866.

# 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

76, 36.031, 21.866

### Protanopia

76, 5.969, 83.184

### Deuteranopia

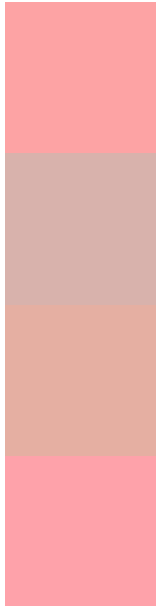
76, 17.392, 57.985



**Tritanopia**  
76, 36.464, 12.909



# Trichromacy



**Original Color**  
76, 36.031, 21.866

**Protanomaly**  
76, 15.219, 32.695

**Deuteranomaly**  
76, 22.883, 38.614

**Tritanomaly**  
76, 36.501, 16.230

# Monochromacy



**Original Color**  
76, 36.031, 21.866

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
76, 12.647, 18.015

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 36.031, 21.866 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(253, 163, 164)` looks like.

```
.text, #text, p{  
    color:rgb(253, 163, 164)  
}
```

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(253, 163, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 163, 164) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 36.031, 21.866 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(253, 163, 164) }
```

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

```
.border{ border-color:rgb(253, 163, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 163, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 163, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 163, 164);  
box-shadow:4px 4px 4px 4px rgb(253, 163,  
164) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 36.031, 21.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 163, 164) }
```

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

```
.background{ background-color: rgb(253,  
163, 164) }
```

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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