

# Converting Colors

CIELCh(82, 29.978, 37.180)

Have a look what the booklet for  
CIELCh(82, 29.978, 37.180) contains.

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# Color

**CIELCh(82, 28.637, 38.341)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBCAC
RGB	255, 188, 172
RGB Percent	100%, 74%, 67%
CMY	0.0000, 0.2634, 0.3262
CMYK	0.00, 0.26, 0.33, 0.00
HSL	12°, 100%, 84%
HSV	12°, 33%, 100%
XYZ	66.9486, 60.2982, 47.0471
YIQ	206.2090, 45.0680, 9.2280

# Conversions

## Conversions Part 2

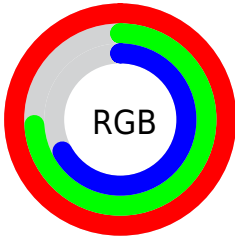
Format	Color
R <sub>Y</sub> B	255, 192, 172
Decimal	16759980
CIE Lab	82.00, 22.46, 17.76
CIE LCh	82, 28.637, 38.341
Yxy	60.2982, 0.3841, 0.3460
Android (android.graphics.Color)	4294950060 (0xFFFFBCAC)
YUV	206.2090, -16.8650, 42.7897
Hunter-Lab	77.6519, 18.0053, 18.4342

# Details

The CIELCh color **82, 28.637, 38.341** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 22.417, 220.109**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 9.534, 84.627**, and **62, 28.362, 37.703** is the 20% darker color. If you saturate the color by 10%, you get **77, 38.531, 38.868**, and if you desaturate by 10%, it is **87, 18.799, 38.399**.

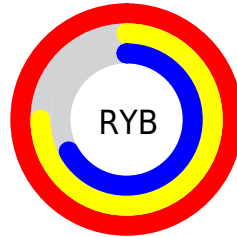
# Distribution



Red (100%)

Green (74%)

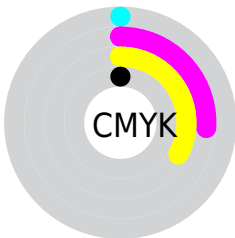
Blue (67%)



Red (100%)

Yellow (75%)

Blue (67%)

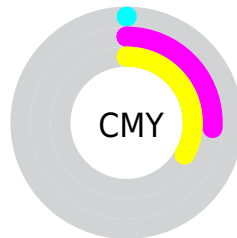


Cyan (0%)

Magenta (26%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 28.637, 38.341 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 82, 28.637, 38.341 by changing the saturation by 10% instead.



 82, 28.637, 38.341

 82, 28.637, 38.341

 100, 28.637,  
38.341

 72, 28.637, 38.341

 62, 28.637, 38.341

 52, 28.637, 38.341

 42, 28.637, 38.341

 32, 28.637, 38.341

 22, 28.637, 38.341

 12, 28.637, 38.341

 2, 28.637, 38.341

 0, 28.637, 38.341

82, 28.637, 38.341

82, 28.637, 38.341

77, 38.531, 38.868

87, 18.799, 38.399

72, 49.521, 39.420

93, 10.057, 38.386

67, 61.140, 40.221

99, 2.003, 38.254

63, 73.110, 41.244

100, 0.012,  
296.813

60, 84.802, 42.310

57, 94.811, 42.915

56, 100.171,  
42.825

# Harmonies

# Complementary

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



82, 28.637, 38.341



91, 22.417, 220.109

# Rectangle

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



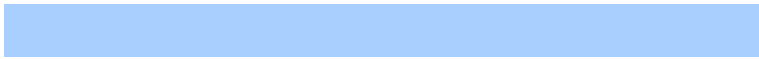
82, 28.637, 38.341



82, 28.637, 88.341



82, 28.637, 218.341



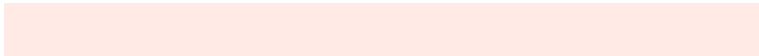
82, 28.637, 268.341

# Sweetspot

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



82, 28.282, 38.542



94, 7.882, 38.392



80, 45.910, 332.042



50, 5.409, 38.389



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



82, 28.282, 38.542



79, 34.732, 38.726



92, 31.074, 88.208



50, 4.472, 38.393



42, 80.236, 43.222



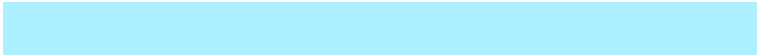
12, 30.089, 36.754



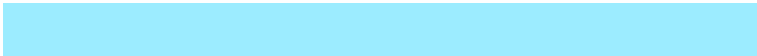


# Inverse Universe

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



91, 22.417, 220.109



89, 26.088, 220.653



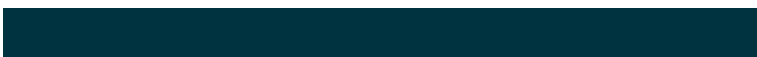
80, 31.069, 277.608



52, 4.211, 218.958



59, 35.279, 234.057



19, 16.138, 228.979



# Previews

## White Background



This preview shows how the CIELCh color 82, 28.637, 38.341 looks on a white background.

## Color Contrast Check

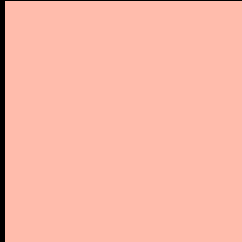
Large Text (above 18pt) WCAG AA × Fail

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 82, 28.637, 38.341 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 82, 28.637, 38.341

## Background



This preview shows how black text looks on a background with the CIELCh color 82, 28.637, 38.341.

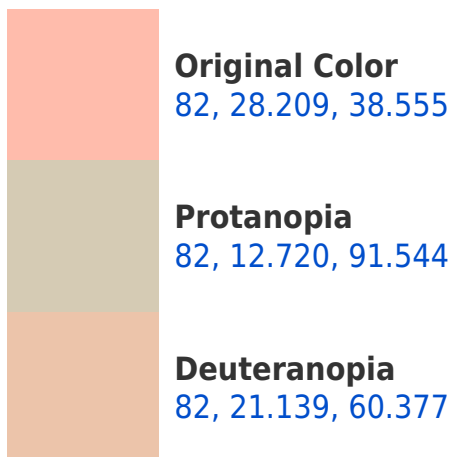


This preview shows how white text looks on a background with the CIELCh color 82, 28.637, 38.341.

# 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**  
82, 27.325, 7.350



# Trichromacy



**Original Color**  
82, 28.209, 38.555

**Protanomaly**  
82, 16.134, 60.709

**Deuteranomaly**  
82, 23.213, 50.389

**Tritanomaly**  
82, 26.694, 19.370

# Monochromacy



**Original Color**  
82, 28.209, 38.555

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
82, 9.795, 35.610

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 28.637, 38.341 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, 188, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 172)  
}
```

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, 188, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 28.637, 38.341 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, 188, 172) }
```

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

```
.border{ border-color:rgb(255, 188, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 28.637, 38.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 172) }
```

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

```
.background{ background-color: rgb(255,  
188, 172) }
```

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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