

Converting Colors

CIELCh(87, 21.150, 49.187)

Have a look what the booklet for
CIELCh(87, 21.150, 49.187) contains.

CIELCh(87, 21.167, 49.772)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(87, 21.167, 49.772)

Conversions

Conversions Part 1

Format	Color
Hex	FFD0BC
RGB	255, 208, 188
RGB Percent	100%, 82%, 74%
CMY	0.0000, 0.1843, 0.2627
CMYK	0.00, 0.18, 0.26, 0.00
HSL	18°, 100%, 87%
HSV	18°, 26%, 100%
XYZ	72.8767, 70.0064, 57.2516
YIQ	219.7730, 34.4320, 3.7440

Conversions

Conversions Part 2

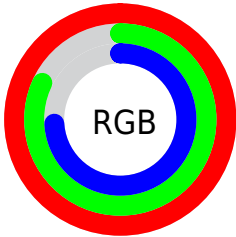
Format	Color
R _Y B	255, 217, 188
Decimal	16765116
CIE Lab	87.00, 13.67, 16.16
CIE LCh	87, 21.167, 49.772
Yxy	70.0064, 0.3641, 0.3498
Android (android.graphics.Color)	4294955196 (0xFFFFD0BC)
YUV	219.7730, -15.6641, 30.8941
Hunter-Lab	83.6698, 9.0518, 17.9993

Details

The CIELCh color **87, 21.167, 49.772** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90, 18.071, 233.892**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 5.566, 109.748**, and **67, 20.906, 50.416** is the 20% darker color. If you saturate the color by 10%, you get **82, 30.399, 49.339**, and if you desaturate by 10%, it is **92, 12.607, 50.310**.

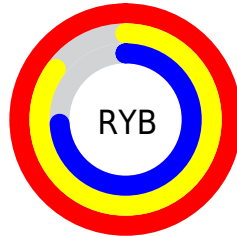
Distribution



Red (100%)

Green (82%)

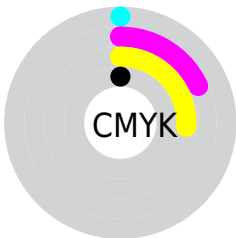
Blue (74%)



Red (100%)

Yellow (85%)

Blue (74%)

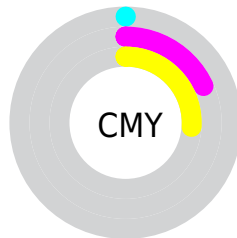


Cyan (0%)

Magenta (18%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 21.167, 49.772 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 87, 21.167, 49.772 by changing the saturation by 10% instead.

 87, 21.167, 49.772

 87, 21.167, 49.772

 100, 21.167,
49.772

 77, 21.167, 49.772

 67, 21.167, 49.772

 57, 21.167, 49.772

 47, 21.167, 49.772

 37, 21.167, 49.772

 27, 21.167, 49.772

 17, 21.167, 49.772

 7, 21.167, 49.772

 0, 21.167, 49.772

87, 21.167, 49.772

87, 21.167, 49.772

82, 30.399, 49.339

92, 12.607, 50.310

78, 40.336, 49.005

97, 4.676, 50.845

73, 50.950, 48.797

100, 0.012,
296.813

69, 62.107, 48.698

66, 73.459, 48.620

62, 84.189, 48.309

59, 92.710, 47.220

58, 95.316, 46.714

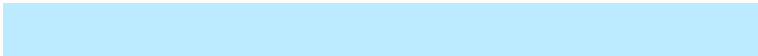
Harmonies

Complementary

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



87, 21.167, 49.772



90, 18.071, 233.892

Rectangle

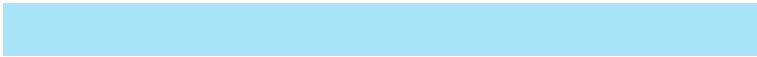
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 21.167, 49.772



87, 21.167, 99.772



87, 21.167, 229.772



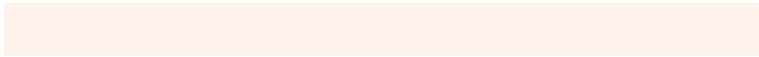
87, 21.167, 279.772

Sweetspot

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



87, 21.164, 49.783



96, 6.004, 50.763



84, 34.574, 335.479



51, 4.292, 50.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 21.164, 49.783



84, 26.369, 49.516



95, 27.332, 96.249



51, 4.292, 50.684



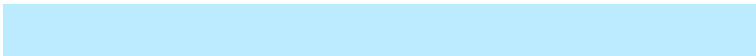
44, 76.278, 47.280



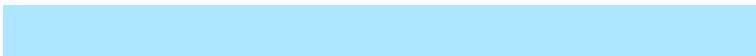
13, 28.575, 43.716

Inverse Universe

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



90, 18.071, 233.892



88, 21.637, 234.671



82, 28.064, 283.078



51, 4.076, 232.190



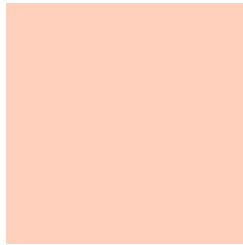
53, 39.399, 255.990



17, 17.222, 248.977

Previews

White Background



This preview shows how the CIELCh color 87, 21.167, 49.772 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 87, 21.167, 49.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

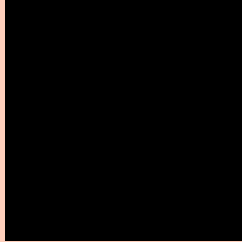
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 21.167, 49.772

Background



This preview shows how black text looks on a background with the CIELCh color 87, 21.167, 49.772.

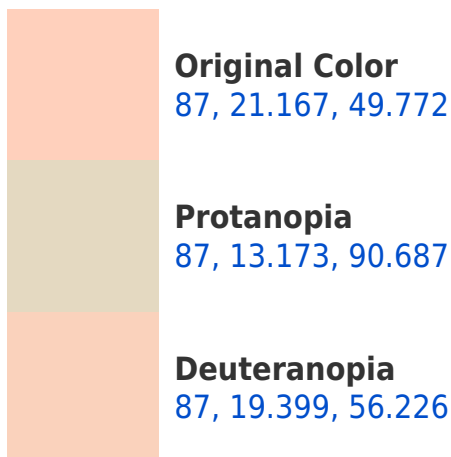


This preview shows how white text looks on a background with the CIELCh color 87, 21.167, 49.772.

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](#).

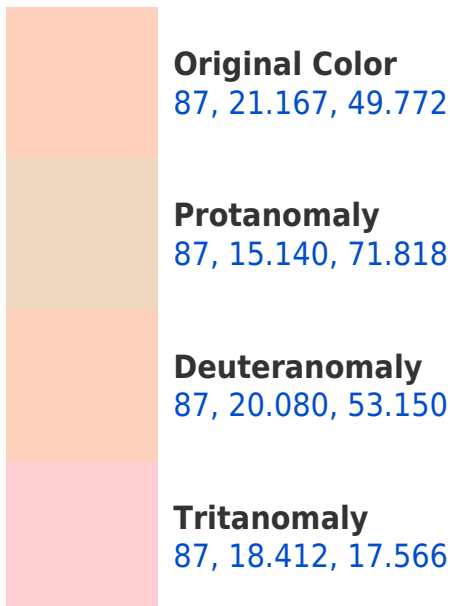
Dichromacy



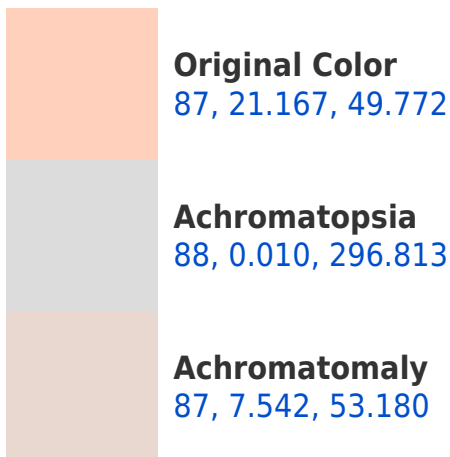


Tritanopia
87, 19.763, 359.371

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 21.167, 49.772 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, 208, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 188)  
}
```

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, 208, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 21.167, 49.772 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, 208, 188) }
```

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

```
.border{ border-color:rgb(255, 208, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 21.167, 49.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 188) }
```

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

```
.background{ background-color: rgb(255,  
208, 188) }
```

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