

Converting Colors

CIELCh(100, 70.846, 37.573)

Have a look what the booklet for
CIELCh(100, 70.846, 37.573)
contains.

CIELCh(87, 25.989, 62.846)	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, 25.989, 62.846)

Conversions

Conversions Part 1

Format	Color
Hex	FFD1AF
RGB	255, 209, 175
RGB Percent	100%, 82%, 69%
CMY	0.0000, 0.1812, 0.3146
CMYK	0.00, 0.18, 0.31, 0.00
HSL	25°, 100%, 84%
HSV	25°, 31%, 100%
XYZ	72.0157, 70.0064, 50.1570
YIQ	218.8780, 38.3300, -0.8220

Conversions

Conversions Part 2

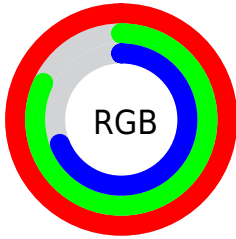
Format	Color
R _Y B	255, 234, 175
Decimal	16765359
CIE Lab	87.00, 11.86, 23.12
CIE LCh	87, 25.989, 62.846
Yxy	70.0064, 0.3747, 0.3643
Android (android.graphics.Color)	4294955439 (0xFFFFD1AF)
YUV	218.8780, -21.6319, 31.6790
Hunter-Lab	83.6698, 7.2150, 23.0267

Details

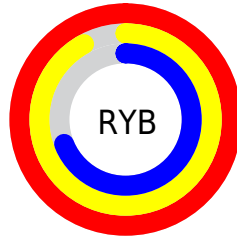
The CIELCh color **87, 25.989, 62.846** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **86, 22.565, 251.477**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 12.147, 109.259**, and **67, 25.806, 64.420** is the 20% darker color. If you saturate the color by 10%, you get **83, 34.983, 62.318**, and if you desaturate by 10%, it is **91, 17.026, 64.421**.

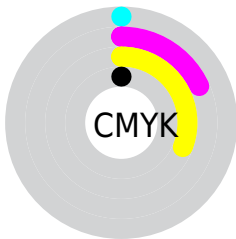
Distribution



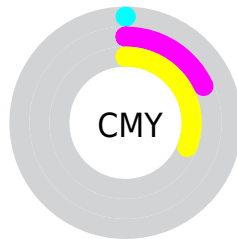
- Red (100%)
- Green (82%)
- Blue (69%)



- Red (100%)
- Yellow (92%)
- Blue (69%)



- Cyan (0%)
- Magenta (18%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (18%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 25.989, 62.846 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, 25.989, 62.846 by changing the saturation by 10% instead.

 87, 25.989, 62.846

 87, 25.989, 62.846

 100, 25.989,
62.846

 77, 25.989, 62.846

 67, 25.989, 62.846

 57, 25.989, 62.846

 47, 25.989, 62.846

 37, 25.989, 62.846

 27, 25.989, 62.846

 17, 25.989, 62.846

 7, 25.989, 62.846

 0, 25.989, 62.846

87, 25.989, 62.846

87, 25.989, 62.846

83, 34.983, 62.318

91, 17.026, 64.421

79, 44.747, 61.302

95, 8.822, 65.481

75, 54.935, 60.295

99, 1.087, 66.160

72, 65.289, 59.236

100, 0.012,
296.813

69, 75.228, 57.965

66, 83.641, 56.151

63, 88.891, 53.994

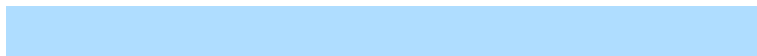
Harmonies

Complementary

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



87, 25.989, 62.846



86, 22.565, 251.477

Rectangle

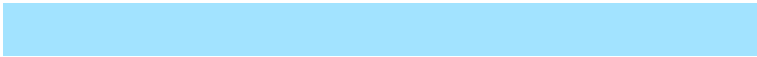
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 25.989, 62.846



87, 25.989, 112.846



87, 25.989, 242.846



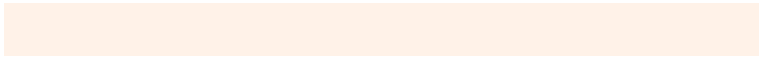
87, 25.989, 292.846

Sweetspot

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



87, 25.738, 63.359



96, 6.877, 65.734



80, 37.848, 342.114



51, 4.799, 65.585



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, 25.738, 63.359



84, 31.723, 62.675



97, 37.185, 103.272



51, 4.351, 65.683



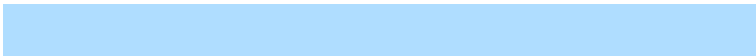
48, 71.218, 54.689



15, 27.285, 54.439

Inverse Universe

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



86, 22.565, 251.477



83, 26.948, 252.852



76, 39.647, 290.796



51, 4.204, 247.989



46, 49.948, 275.682



14, 20.733, 268.603

Previews

White Background



This preview shows how the CIE LCh color 87, 25.989, 62.846 looks on a white background.

Color Contrast Check

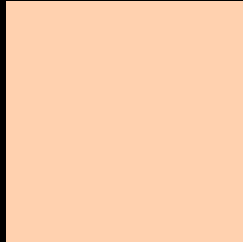
Large Text (above 18pt) WCAG AA × Fail

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, 25.989, 62.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

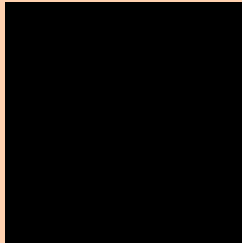
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 25.989, 62.846

Background



This preview shows how black text looks on a background with the CIELCh color 87, 25.989, 62.846.



This preview shows how white text looks on a background with the CIELCh color 87, 25.989, 62.846.

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

87, 25.663, 63.462

Protanopia

87, 20.511, 93.146

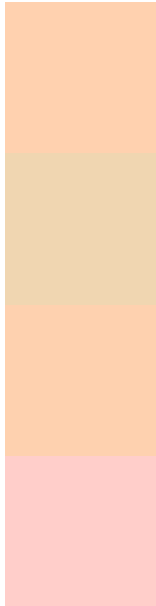
Deuteranopia

87, 25.368, 64.079



Tritanopia
87, 19.607, 0.806

Trichromacy



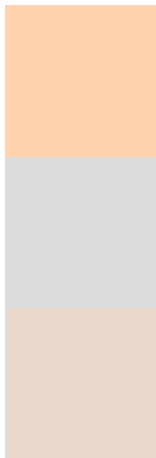
Original Color
87, 25.663, 63.462

Protanomaly
87, 21.872, 80.799

Deuteranomaly
87, 25.368, 64.079

Tritanomaly
87, 18.726, 27.098

Monochromacy



Original Color
87, 25.663, 63.462

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 8.907, 64.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 25.989, 62.846 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, 209, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 175)  
}
```

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, 209, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 25.989, 62.846 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, 209, 175) }
```

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

```
.border{ border-color:rgb(255, 209, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 25.989, 62.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 175) }
```

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

```
.background{ background-color: rgb(255,  
209, 175) }
```

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