

Converting Colors

CIELCh(87, 33.205, 69.604)

Have a look what the booklet for
CIELCh(87, 33.205, 69.604) contains.

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Color

CIELCh(87, 31.906, 72.332)

Conversions

Conversions Part 1

Format	Color
Hex	FFD2A1
RGB	255, 210, 161
RGB Percent	100%, 82%, 63%
CMY	0.0000, 0.1771, 0.3694
CMYK	0.00, 0.18, 0.37, 0.00
HSL	31°, 100%, 82%
HSV	31°, 37%, 100%
XYZ	70.9886, 70.0064, 43.3973
YIQ	217.8690, 42.5490, -5.6990

Conversions

Conversions Part 2

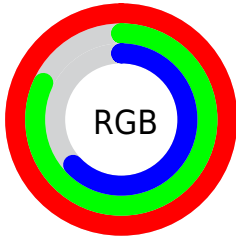
Format	Color
R_{YB}	247, 255, 161
Decimal	16765601
CIE Lab	87.00, 9.68, 30.40
CIE LCh	87, 31.906, 72.332
Yxy	70.0064, 0.3850, 0.3797
Android (android.graphics.Color)	4294955681 (0xFFFFD2A1)
YUV	217.8690, -28.0364, 32.5639
Hunter-Lab	83.6698, 5.0238, 27.8168

Details

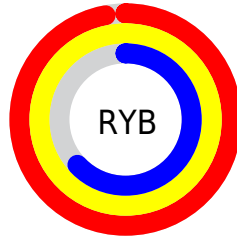
The CIELCh color **87, 31.906, 72.332** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **81, 28.900, 263.943**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 19.713, 108.686**, and **67, 31.724, 73.252** is the 20% darker color. If you saturate the color by 10%, you get **84, 41.123, 71.527**, and if you desaturate by 10%, it is **90, 22.603, 74.167**.

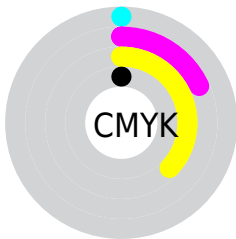
Distribution



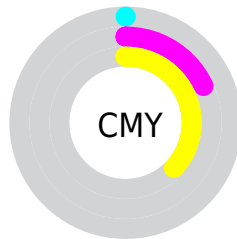
- Red (100%)
- Green (82%)
- Blue (63%)



- Red (97%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (18%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (18%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 31.906, 72.332 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, 31.906, 72.332 by changing the saturation by 10% instead.

 87, 31.906, 72.332

 87, 31.906, 72.332

 100, 31.906,
72.332

 77, 31.906, 72.332

 67, 31.906, 72.332

 57, 31.906, 72.332

 47, 31.906, 72.332

 37, 31.906, 72.332

 27, 31.906, 72.332

 17, 31.906, 72.332

 7, 31.906, 72.332

 0, 31.906, 72.332

87, 31.906, 72.332

87, 31.906, 72.332

84, 41.123, 71.527

90, 22.603, 74.167

80, 50.828, 70.164

94, 13.901, 75.451

77, 60.578, 68.728

97, 5.569, 76.677

74, 69.904, 67.119

100, 0.012,
296.813

71, 77.936, 65.127

69, 83.490, 62.412

68, 84.866, 61.513

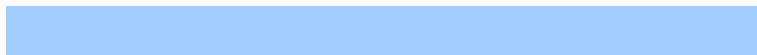
Harmonies

Complementary

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



87, 31.906, 72.332



81, 28.900, 263.943

Rectangle

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



87, 31.906, 72.332



87, 31.906, 122.332



87, 31.906, 252.332



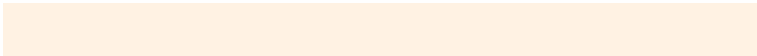
87, 31.906, 302.332

Sweetspot

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



87, 31.684, 72.857



96, 8.909, 76.193



77, 41.805, 348.283



51, 6.004, 76.026



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, 31.684, 72.857



85, 38.314, 71.921



98, 46.980, 107.340



51, 4.589, 76.374



52, 68.140, 62.217



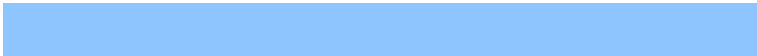
16, 27.017, 63.892

Inverse Universe

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



81, 28.900, 263.943



78, 34.283, 265.673



70, 51.657, 295.579



50, 4.501, 258.938



40, 60.749, 286.141



11, 24.632, 279.752

Previews

White Background



This preview shows how the CIELCh color 87, 31.906, 72.332 looks on a white background.

Color Contrast Check

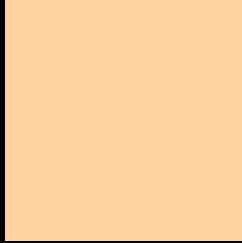
Large Text (above 18pt) WCAG AA × Fail

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 87, 31.906, 72.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

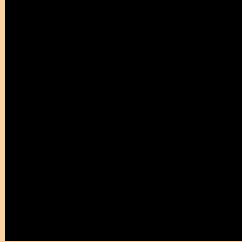
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 31.906, 72.332

Background



This preview shows how black text looks on a background with the CIELCh color 87, 31.906, 72.332.



This preview shows how white text looks on a background with the CIELCh color 87, 31.906, 72.332.

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, 31.623, 72.937

Protanopia

87, 28.639, 95.806

Deuteranopia

87, 29.325, 69.279



Tritanopia
87, 19.607, 0.806

Trichromacy



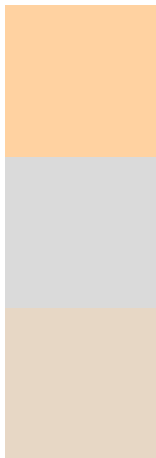
Original Color
87, 31.623, 72.937

Protanomaly
87, 29.034, 86.912

Deuteranomaly
87, 30.175, 70.361

Tritanomaly
87, 19.158, 36.334

Monochromacy



Original Color
87, 31.623, 72.937

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 11.158, 76.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 31.906, 72.332 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, 210, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 161)  
}
```

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, 210, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 31.906, 72.332 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, 210, 161) }
```

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

```
.border{ border-color:rgb(255, 210, 161) }
```

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

Here you see how a box with a 4 pixel rgb(255, 210, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 31.906, 72.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 161) }
```

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

```
.background{ background-color: rgb(255,  
210, 161) }
```

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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