

Converting Colors

CIELCh(100, 75.088, 46.151)

Have a look what the booklet for
CIELCh(100, 75.088, 46.151)
contains.

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Color

CIELCh(87, 35.843, 77.479)

Conversions

Conversions Part 1

Format	Color
Hex	FFD398
RGB	255, 211, 152
RGB Percent	100%, 83%, 60%
CMY	0.0006, 0.1731, 0.4045
CMYK	0.00, 0.17, 0.40, 0.00
HSL	34°, 100%, 80%
HSV	34°, 40%, 100%
XYZ	70.0944, 70.0064, 39.4629
YIQ	217.4300, 45.1630, -9.0210

Conversions

Conversions Part 2

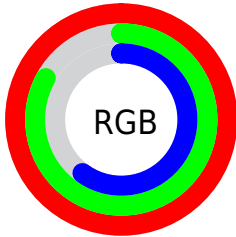
Format	Color
R _Y B	229, 255, 152
Decimal	16765848
CIE Lab	87.00, 7.77, 34.99
CIE LCh	87, 35.843, 77.479
Yxy	70.0064, 0.3904, 0.3899
Android (android.graphics.Color)	4294955928 (0xFFFFD398)
YUV	217.4300, -32.2570, 32.9489
Hunter-Lab	83.6698, 3.1161, 30.6047

Details

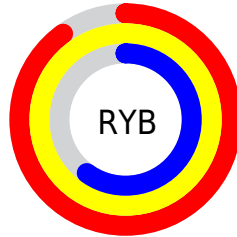
The CIELCh color **87, 35.843, 77.479** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **78, 33.611, 270.045**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **67, 36.151, 77.709** is the 20% darker color. If you saturate the color by 10%, you get **84, 45.391, 76.066**, and if you desaturate by 10%, it is **90, 26.522, 78.865**.

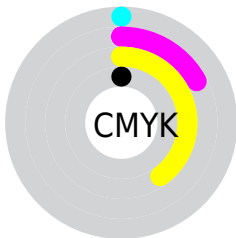
Distribution



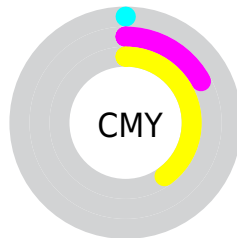
- Red (100%)
- Green (83%)
- Blue (60%)



- Red (90%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (17%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 35.843, 77.479 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, 35.843, 77.479 by changing the saturation by 10% instead.

87, 35.843, 77.479

87, 35.843, 77.479

100, 35.843,
77.479

77, 35.843, 77.479

67, 35.843, 77.479

57, 35.843, 77.479

47, 35.843, 77.479

37, 35.843, 77.479

27, 35.843, 77.479

17, 35.843, 77.479

7, 35.843, 77.479

0, 35.843, 77.479

87, 35.843, 77.479

87, 35.843, 77.479

84, 45.391, 76.066

90, 26.522, 78.865

81, 55.010, 74.591

93, 17.489, 80.210

78, 64.372, 73.005

97, 8.762, 81.506

76, 72.852, 71.191

100, 0.330, 81.698

73, 79.450, 68.924

100, 0.055,
211.460

71, 83.373, 66.152

Harmonies

Complementary

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



87, 35.843, 77.479



78, 33.611, 270.045

Rectangle

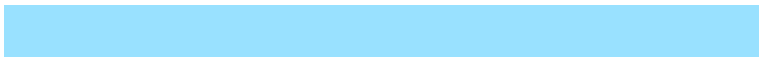
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 35.843, 77.479



87, 35.843, 127.479



87, 35.843, 257.479



87, 35.843, 307.479

Sweetspot

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



87, 35.843, 77.484



96, 10.135, 81.305



75, 44.497, 351.851



51, 6.738, 81.138



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, 35.843, 77.484



85, 43.098, 76.412



97, 51.242, 109.299



52, 4.780, 81.620



54, 67.062, 66.820



17, 27.196, 69.158

Inverse Universe

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



78, 33.611, 270.045



74, 39.951, 272.001



67, 56.923, 297.638



50, 4.724, 264.211



37, 67.164, 290.531



10, 27.043, 284.581

Previews

White Background



This preview shows how the CIELCh color 87, 35.843, 77.479 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, 35.843, 77.479 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, 35.843, 77.479

Background



This preview shows how black text looks on a background with the CIELCh color 87, 35.843, 77.479.



This preview shows how white text looks on a background with the CIELCh color 87, 35.843, 77.479.

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, 35.843, 77.479

Protanopia

87, 33.324, 95.575

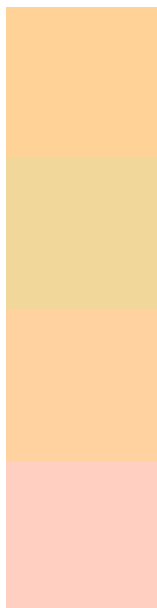
Deuteranopia

87, 30.748, 71.988



Tritanopia
87, 19.607, 0.806

Trichromacy



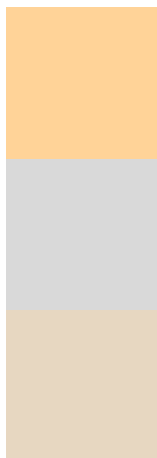
Original Color
87, 35.843, 77.479

Protanomaly
87, 33.565, 88.490

Deuteranomaly
87, 32.506, 73.829

Tritanomaly
87, 19.755, 40.542

Monochromacy



Original Color
87, 35.843, 77.479

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 12.986, 81.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 35.843, 77.479 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, 211, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 152)  
}
```

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, 211, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 35.843, 77.479 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, 211, 152) }
```

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

```
.border{ border-color:rgb(255, 211, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 211, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 35.843, 77.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 152) }
```

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

```
.background{ background-color: rgb(255,  
211, 152) }
```

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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