

Converting Colors

CIELCh(87, 35.686, 78.485)

Have a look what the booklet for
CIELCh(87, 35.686, 78.485) contains.

CIELCh(87, 35.625, 78.041)	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, 35.625, 78.041)

Conversions

Conversions Part 1

Format	Color
Hex	FED398
RGB	254, 211, 152
RGB Percent	100%, 83%, 60%
CMY	0.0035, 0.1721, 0.4035
CMYK	0.00, 0.17, 0.40, 0.00
HSL	35°, 98%, 80%
HSV	35°, 40%, 100%
XYZ	69.9135, 70.0064, 39.5782
YIQ	217.1310, 44.5670, -9.2330

Conversions

Conversions Part 2

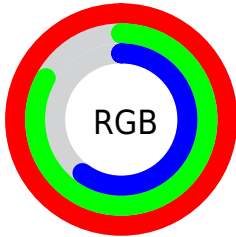
Format	Color
RYB	226, 254, 152
Decimal	16700312
CIELab	87.00, 7.38, 34.85
CIELCh	87, 35.625, 78.041
Yxy	70.0064, 0.3895, 0.3900
Android (android.graphics.Color)	4294890392 (0xFF FED398)
YUV	217.1310, -32.1096, 32.3341
Hunter-Lab	83.6698, 2.7304, 30.5230

Details

The CIELCh color **87, 35.625, 78.041** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **78, 33.546, 270.505**, 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, 35.918, 78.311** is the 20% darker color. If you saturate the color by 10%, you get **84, 45.152, 76.625**, and if you desaturate by 10%, it is **90, 26.316, 79.429**.

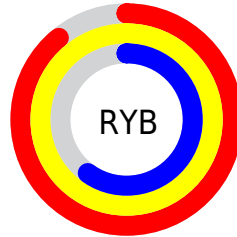
Distribution



Red (100%)

Green (83%)

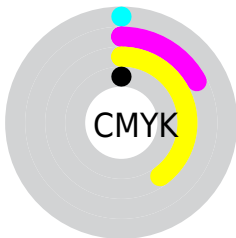
Blue (60%)



Red (89%)

Yellow (100%)

Blue (60%)

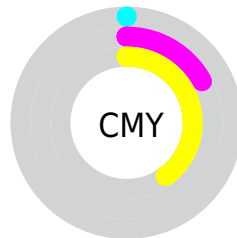


Cyan (0%)

Magenta (17%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 35.625, 78.041 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, 35.625, 78.041 by changing the saturation by 10% instead.

 87, 35.625, 78.041

 87, 35.625, 78.041

 100, 35.625,
78.041

 77, 35.625, 78.041

 67, 35.625, 78.041

 57, 35.625, 78.041

 47, 35.625, 78.041

 37, 35.625, 78.041

 27, 35.625, 78.041

 17, 35.625, 78.041

 7, 35.625, 78.041

 0, 35.625, 78.041

87, 35.625, 78.041

87, 35.625, 78.041

84, 45.152, 76.625

90, 26.316, 79.429

81, 54.740, 75.146

93, 17.287, 80.776

78, 64.066, 73.559

96, 8.554, 82.073

76, 72.512, 71.749

100, 0.110, 80.042

73, 79.092, 69.499

100, 0.306,
201.549

71, 83.075, 66.669

Harmonies

Complementary

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



87, 35.625, 78.041



78, 33.546, 270.505

Rectangle

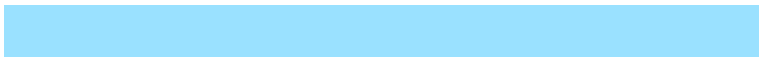
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 35.625, 78.041



87, 35.625, 128.041



87, 35.625, 258.041



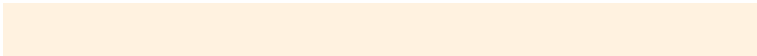
87, 35.625, 308.041

Sweetspot

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



87, 35.625, 78.046



96, 10.181, 81.837



75, 44.104, 351.812



51, 6.769, 81.670



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, 35.625, 78.046



85, 43.219, 76.932



97, 50.803, 109.322



52, 4.802, 82.152



54, 66.977, 67.326



17, 27.229, 69.716

Inverse Universe

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



78, 33.546, 270.505



74, 40.250, 272.523



67, 56.386, 297.594



50, 4.750, 264.742



37, 67.861, 290.954



10, 27.308, 285.051

Previews

White Background



This preview shows how the CIELCh color 87, 35.625, 78.041 looks on a white background.

Color Contrast Check

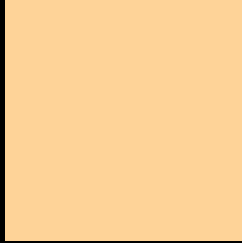
Large Text (above 18pt) WCAG AA × Fail

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, 35.625, 78.041 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, 35.625, 78.041

Background



This preview shows how black text looks on a background with the CIELCh color 87, 35.625, 78.041.



This preview shows how white text looks on a background with the CIELCh color 87, 35.625, 78.041.

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, 35.625, 78.041

Protanopia
87, 33.324, 95.575

Deuteranopia
87, 30.748, 71.988



Tritanopia
87, 19.607, 0.806

Trichromacy



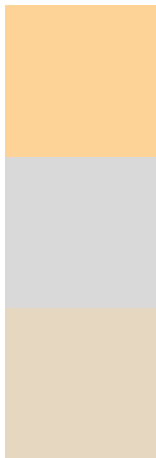
Original Color
87, 35.625, 78.041

Protanomaly
87, 33.565, 88.490

Deuteranomaly
87, 32.506, 73.829

Tritanomaly
87, 19.755, 40.542

Monochromacy



Original Color
87, 35.625, 78.041

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 12.810, 82.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 35.625, 78.041 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(254, 211, 152)` looks like.

```
.text, #text, p{  
    color:rgb(254, 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(254, 211, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 211, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 35.625, 78.041 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(254, 211, 152) }
```

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

```
.border{ border-color:rgb(254, 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(254, 211, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 211, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 211, 152);  
box-shadow:4px 4px 4px 4px rgb(254, 211,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 35.625, 78.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 211, 152) }
```

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

```
.background{ background-color: rgb(254,  
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](#).

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