

Converting Colors

CIELCh(87, 56.035, 90.003)

Have a look what the booklet for
CIELCh(87, 56.035, 90.003) contains.

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Color

CIELCh(87, 55.991, 90.172)

Conversions

Conversions Part 1

Format	Color
Hex	FAD76D
RGB	250, 215, 109
RGB Percent	98%, 84%, 43%
CMY	0.0197, 0.1570, 0.5727
CMYK	0.00, 0.14, 0.56, 0.02
HSL	45°, 93%, 70%
HSV	45°, 56%, 98%
XYZ	66.4634, 70.0064, 24.4693
YIQ	213.3810, 54.8860, -25.5460

Conversions

Conversions Part 2

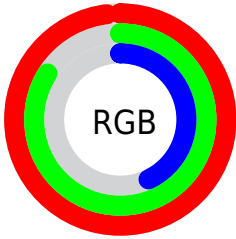
Format	Color
RYB	156, 250, 109
Decimal	16439149
CIELab	87.00, -0.17, 55.99
CIElCh	87, 55.991, 90.172
Yxy	70.0064, 0.4130, 0.4350
Android (android.graphics.Color)	4294629229 (0xFFfAD76D)
YUV	213.3810, -51.4598, 32.1149
Hunter-Lab	83.6698, -4.6301, 41.2294

Details

The CIELCh color **87, 55.991, 90.172** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **62, 59.588, 287.814**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 45.919, 106.668**, and **67, 56.227, 90.285** is the 20% darker color. If you saturate the color by 10%, you get **85, 65.082, 88.787**, and if you desaturate by 10%, it is **89, 46.275, 91.523**.

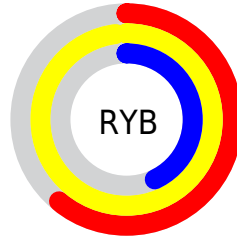
Distribution



Red (98%)

Green (84%)

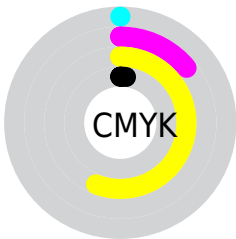
Blue (43%)



Red (61%)

Yellow (98%)

Blue (43%)

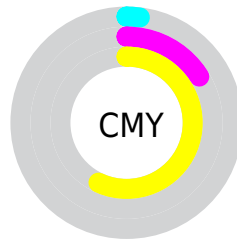


Cyan (0%)

Magenta (14%)

Yellow (56%)

Black (2%)



Cyan (2%)

Magenta (16%)

Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 55.991, 90.172 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, 55.991, 90.172 by changing the saturation by 10% instead.

 87, 55.991, 90.172

 87, 55.991, 90.172

 100, 55.991,
90.172

 77, 55.991, 90.172

 67, 55.991, 90.172

 57, 55.991, 90.172

 47, 55.991, 90.172

 37, 55.991, 90.172

 27, 55.991, 90.172

 17, 55.991, 90.172

 7, 55.991, 90.172

 0, 55.991, 90.172

87, 55.991, 90.172

87, 55.991, 90.172

85, 65.082, 88.787

89, 46.275, 91.523

84, 72.968, 87.325

91, 36.287, 92.838

82, 78.831, 85.723

93, 26.228, 94.123

80, 81.880, 83.870

95, 16.208, 95.371

80, 82.505, 83.157

97, 6.283, 96.564

99, 1.622, 261.816

100, 1.747,
199.674

Harmonies

Complementary

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



87, 55.991, 90.172



62, 59.588, 287.814

Rectangle

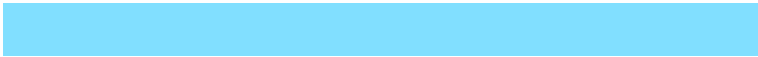
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 55.991, 90.172



87, 55.991, 140.172



87, 55.991, 270.172



87, 55.991, 320.172

Sweetspot

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



87, 55.991, 90.175



96, 17.076, 95.296



64, 57.543, 8.052



51, 11.435, 95.048



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, 55.991, 90.175



86, 67.513, 88.549



93, 69.974, 116.543



51, 5.589, 96.205



62, 66.883, 83.548



20, 28.345, 86.071

Inverse Universe

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



62, 59.588, 287.814



56, 74.360, 291.212



56, 80.465, 304.911



49, 5.633, 278.565



29, 88.289, 300.725



6, 34.278, 295.307

Previews

White Background



This preview shows how the CIELCh color 87, 55.991, 90.172 looks on a white background.

Color Contrast Check

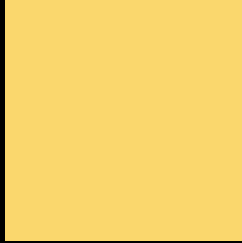
Large Text (above 18pt) WCAG AA × Fail

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, 55.991, 90.172 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, 55.991, 90.172

Background



This preview shows how black text looks on a background with the CIELCh color 87, 55.991, 90.172.



This preview shows how white text looks on a background with the CIELCh color 87, 55.991, 90.172.

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, 55.991, 90.172

Protanopia

87, 55.541, 95.449

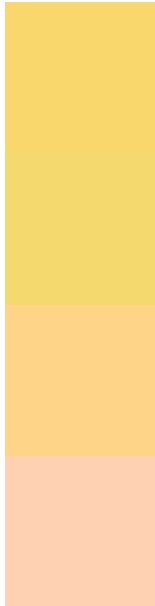
Deuteranopia

87, 36.300, 77.811



Tritanopia
87, 19.607, 0.806

Trichromacy



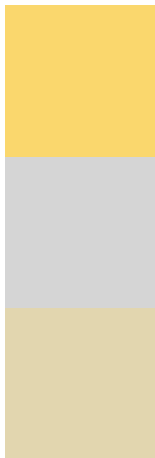
Original Color
87, 55.991, 90.172

Protanomaly
87, 55.479, 93.668

Deuteranomaly
87, 43.102, 83.529

Tritanomaly
87, 23.912, 62.359

Monochromacy



Original Color
87, 55.991, 90.172

Achromatopsia
85, 0.010, 296.813

Achromatomaly
86, 20.876, 95.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 55.991, 90.172 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(250, 215, 109)` looks like.

```
.text, #text, p{  
    color:rgb(250, 215, 109)  
}
```

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(250, 215, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 215, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 55.991, 90.172 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(250, 215, 109) }
```

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

```
.border{ border-color:rgb(250, 215, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 215, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 215, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 215, 109);  
box-shadow:4px 4px 4px 4px rgb(250, 215,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 55.991, 90.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 215, 109) }
```

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

```
.background{ background-color: rgb(250,  
215, 109) }
```

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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