

Converting Colors

CIELCh(100, 81.056, 51.728)

Have a look what the booklet for
CIELCh(100, 81.056, 51.728)
contains.

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Color

CIELCh(87, 45.580, 83.996)

Conversions

Conversions Part 1

Format	Color
Hex	FED483
RGB	254, 212, 131
RGB Percent	100%, 83%, 51%
CMY	0.0029, 0.1674, 0.4849
CMYK	0.00, 0.16, 0.48, 0.00
HSL	40°, 99%, 76%
HSV	40°, 48%, 100%
XYZ	68.7057, 70.0064, 31.4861
YIQ	215.3240, 51.0330, -16.2870

Conversions

Conversions Part 2

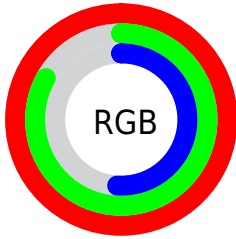
Format	Color
R _Y B	195, 254, 131
Decimal	16700547
CIE Lab	87.00, 4.77, 45.33
CIE LCh	87, 45.580, 83.996
Yxy	70.0064, 0.4037, 0.4113
Android (android.graphics.Color)	4294890627 (0xFF FED483)
YUV	215.3240, -41.5717, 33.9189
Hunter-Lab	83.6698, 0.1535, 36.2573

Details

The CIELCh color **87, 45.580, 83.996** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 45.115, 279.390**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 35.183, 107.497**, and **67, 45.484, 84.197** is the 20% darker color. If you saturate the color by 10%, you get **85, 55.166, 82.527**, and if you desaturate by 10%, it is **90, 35.890, 85.420**.

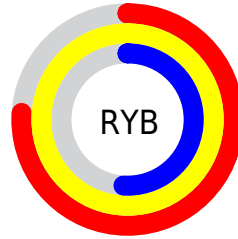
Distribution



Red (100%)

Green (83%)

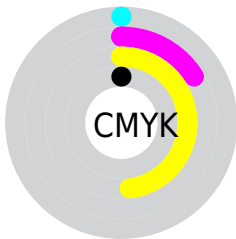
Blue (51%)



Red (76%)

Yellow (100%)

Blue (51%)

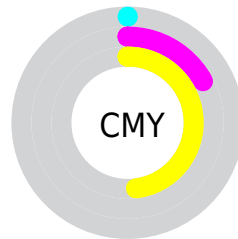


Cyan (0%)

Magenta (16%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 45.580, 83.996 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, 45.580, 83.996 by changing the saturation by 10% instead.

 87, 45.580, 83.996

 87, 45.580, 83.996

 100, 45.580,
83.996

 77, 45.580, 83.996

 67, 45.580, 83.996

 57, 45.580, 83.996

 47, 45.580, 83.996

 37, 45.580, 83.996

 27, 45.580, 83.996

 17, 45.580, 83.996

 7, 45.580, 83.996

 0, 45.580, 83.996

87, 45.580, 83.996

87, 45.580, 83.996

85, 55.166, 82.527

90, 35.890, 85.420

82, 64.305, 80.966

92, 26.273, 86.796

80, 72.395, 79.244

95, 16.817, 88.129

78, 78.525, 77.218

97, 7.556, 89.403

76, 81.879, 74.700

100, 0.259,
201.947

75, 82.312, 74.264

Harmonies

Complementary

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



87, 45.580, 83.996



71, 45.115, 279.390

Rectangle

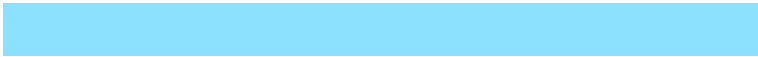
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 45.580, 83.996



87, 45.580, 133.996



87, 45.580, 263.996



87, 45.580, 313.996

Sweetspot

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



87, 45.580, 84.000



96, 13.733, 88.562



70, 51.198, 358.828



51, 9.392, 88.289



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, 45.580, 84.000



85, 54.975, 82.577



96, 60.879, 112.494



52, 5.171, 89.260



58, 66.453, 74.820



19, 27.992, 77.587

Inverse Universe

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



71, 45.115, 279.390



65, 54.737, 282.105



62, 69.090, 301.206



50, 5.165, 271.781



33, 77.994, 296.244



8, 31.282, 291.037

Previews

White Background



This preview shows how the CIELCh color 87, 45.580, 83.996 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, 45.580, 83.996 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, 45.580, 83.996

Background



This preview shows how black text looks on a background with the CIELCh color 87, 45.580, 83.996.



This preview shows how white text looks on a background with the CIELCh color 87, 45.580, 83.996.

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, 45.618, 83.970

Protanopia

87, 43.942, 95.682

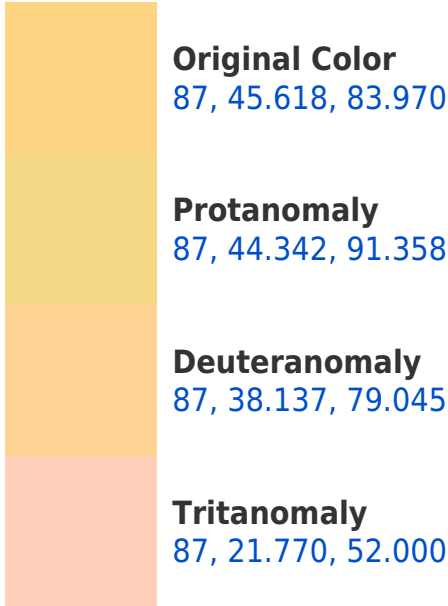
Deuteranopia

87, 33.843, 75.069

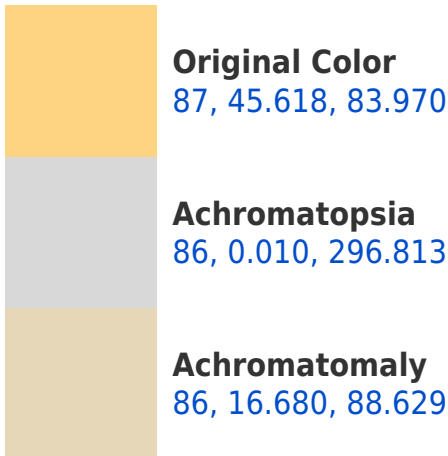


Tritanopia
87, 19.607, 0.806

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 45.580, 83.996 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, 212, 131)` looks like.

```
.text, #text, p{  
    color:rgb(254, 212, 131)  
}
```

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, 212, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 212, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 45.580, 83.996 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, 212, 131) }
```

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

```
.border{ border-color:rgb(254, 212, 131) }
```

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

Here you see how a box with a 4 pixel rgb(254, 212, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 212, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 212, 131);  
box-shadow:4px 4px 4px 4px rgb(254, 212,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 45.580, 83.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 212, 131) }
```

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

```
.background{ background-color: rgb(254,  
212, 131) }
```

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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