

Converting Colors

CIELCh(88, 56.421, 79.241)

Have a look what the booklet for
CIELCh(88, 56.421, 79.241) contains.

CIELCh(87, 53.375, 85.393)	3
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Color

CIELCh(87, 53.375, 85.393)

Conversions

Conversions Part 1

Format	Color
Hex	FFD473
RGB	255, 212, 115
RGB Percent	100%, 83%, 45%
CMY	0.0000, 0.1674, 0.5481
CMYK	0.00, 0.17, 0.55, 0.00
HSL	42°, 100%, 73%
HSV	42°, 55%, 100%
XYZ	68.4852, 70.0064, 26.1915
YIQ	213.7990, 56.7650, -21.0510

Conversions

Conversions Part 2

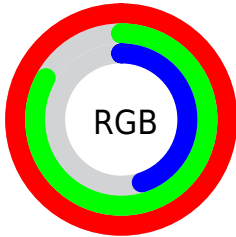
Format	Color
RYB	177, 255, 115
Decimal	16766067
CIELab	87.00, 4.29, 53.20
CIELCh	87, 53.375, 85.393
Yxy	70.0064, 0.4159, 0.4251
Android (android.graphics.Color)	4294956147 (0xFFFFD473)
YUV	213.7990, -48.7079, 36.1333
Hunter-Lab	83.6698, -0.3168, 40.0091

Details

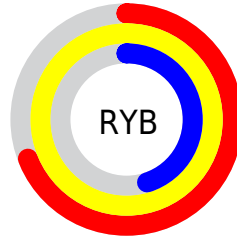
The CIELCh color **87, 53.375, 85.393** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **66, 54.243, 283.735**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 43.019, 106.892**, and **67, 53.141, 86.257** is the 20% darker color. If you saturate the color by 10%, you get **85, 62.490, 84.508**, and if you desaturate by 10%, it is **89, 43.392, 87.415**.

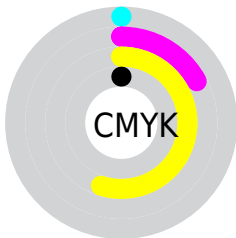
Distribution



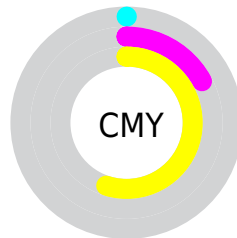
- Red (100%)
- Green (83%)
- Blue (45%)



- Red (69%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (17%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 53.375, 85.393 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, 53.375, 85.393 by changing the saturation by 10% instead.

 87, 53.375, 85.393

 87, 53.375, 85.393

 100, 53.375,
85.393

 77, 53.375, 85.393

 67, 53.375, 85.393

 57, 53.375, 85.393

 47, 53.375, 85.393

 37, 53.375, 85.393

 27, 53.375, 85.393

 17, 53.375, 85.393

 7, 53.375, 85.393

 0, 53.375, 85.393

87, 53.375, 85.393

87, 53.375, 85.393

85, 62.490, 84.508

89, 43.392, 87.415

83, 70.906, 82.916

91, 33.530, 88.792

81, 77.580, 81.120

94, 23.717, 90.130

79, 81.573, 78.961

96, 14.032, 91.423

78, 82.700, 77.698

99, 4.509, 92.640

100, 0.012,
296.813

Harmonies

Complementary

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



87, 53.375, 85.393



66, 54.243, 283.735

Rectangle

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



87, 53.375, 85.393



87, 53.375, 135.393



87, 53.375, 265.393



87, 53.375, 315.393

Sweetspot

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



87, 53.145, 85.993



96, 15.175, 91.272



67, 57.402, 2.628



51, 10.265, 91.009



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, 53.145, 85.993



84, 63.552, 84.326



96, 68.624, 113.629



52, 5.358, 92.085



60, 66.658, 78.199



20, 28.494, 80.923

Inverse Universe

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



66, 54.243, 283.735



59, 66.237, 287.094



57, 79.340, 302.990



50, 5.372, 274.553



31, 82.444, 298.164



8, 33.091, 293.249

Previews

White Background



This preview shows how the CIELCh color 87, 53.375, 85.393 looks on a white background.

Color Contrast Check

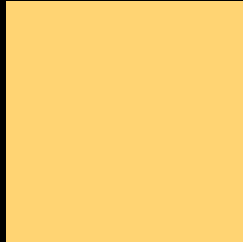
Large Text (above 18pt) WCAG AA × Fail

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, 53.375, 85.393 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, 53.375, 85.393

Background



This preview shows how black text looks on a background with the CIELCh color 87, 53.375, 85.393.

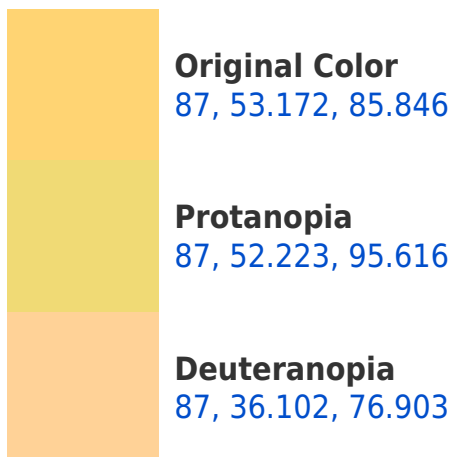


This preview shows how white text looks on a background with the CIELCh color 87, 53.375, 85.393.

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





Tritanopia
87, 19.977, 1.224

Trichromacy



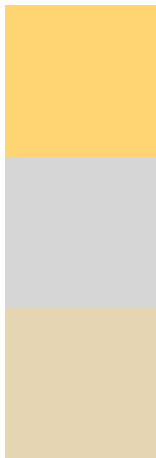
Original Color
87, 53.172, 85.846

Protanomaly
87, 52.498, 92.358

Deuteranomaly
87, 42.304, 81.360

Tritanomaly
87, 23.769, 56.443

Monochromacy



Original Color
87, 53.172, 85.846

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 19.317, 89.840

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 53.375, 85.393 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, 212, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 115)  
}
```

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, 212, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 53.375, 85.393 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, 212, 115) }
```

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

```
.border{ border-color:rgb(255, 212, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 115);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 53.375, 85.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 115) }
```

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

```
.background{ background-color: rgb(255,  
212, 115) }
```

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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