

Converting Colors

CIELCh(87, 53.213, 93.373)

Have a look what the booklet for
CIELCh(87, 53.213, 93.373) contains.

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Color

CIELCh(87, 53.181, 93.400)

Conversions

Conversions Part 1

Format	Color
Hex	F4D973
RGB	244, 217, 115
RGB Percent	96%, 85%, 45%
CMY	0.0437, 0.1495, 0.5495
CMYK	0.00, 0.11, 0.53, 0.04
HSL	47°, 85%, 70%
HSV	47°, 53%, 96%
XYZ	65.1309, 70.0064, 26.2643
YIQ	213.4450, 48.8340, -25.9980

Conversions

Conversions Part 2

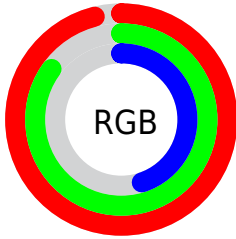
Format	Color
RYB	149, 244, 115
Decimal	16046451
CIELab	87.00, -3.15, 53.09
CIELCh	87, 53.181, 93.400
Yxy	70.0064, 0.4035, 0.4337
Android (android.graphics.Color)	4294236531 (0xFFFF4D973)
YUV	213.4450, -48.5334, 26.7967
Hunter-Lab	83.6698, -7.4728, 39.9575

Details

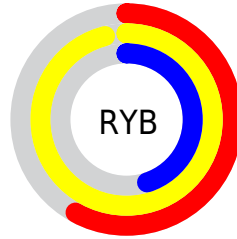
The CIELCh color **87, 53.181, 93.400** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **61, 57.363, 289.088**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 43.019, 106.892**, and **67, 52.899, 93.302** is the 20% darker color. If you saturate the color by 10%, you get **85, 62.443, 92.116**, and if you desaturate by 10%, it is **89, 43.358, 94.673**.

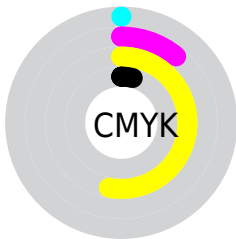
Distribution



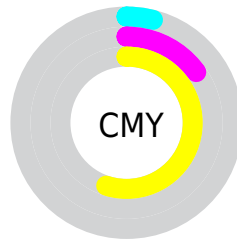
- Red (96%)
- Green (85%)
- Blue (45%)



- Red (58%)
- Yellow (96%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (53%)
- Black (4%)



- Cyan (4%)
- Magenta (15%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 53.181, 93.400 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, 53.181, 93.400 by changing the saturation by 10% instead.

 87, 53.181, 93.400

 87, 53.181, 93.400

 100, 53.181,
93.400

 77, 53.181, 93.400

 67, 53.181, 93.400

 57, 53.181, 93.400

 47, 53.181, 93.400

 37, 53.181, 93.400

 27, 53.181, 93.400

 17, 53.181, 93.400

 7, 53.181, 93.400

 0, 53.181, 93.400

87, 53.181, 93.400

87, 53.181, 93.400

85, 62.443, 92.116

89, 43.358, 94.673

84, 70.645, 90.799

90, 33.276, 95.923

83, 77.070, 89.422

92, 23.112, 97.149

81, 80.927, 87.917

94, 12.963, 98.341

80, 82.155, 86.748

96, 2.885, 99.451

97, 4.022, 272.340

99, 3.237, 221.678

99, 3.845, 199.334

Harmonies

Complementary

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



87, 53.181, 93.400



61, 57.363, 289.088

Rectangle

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



87, 53.181, 93.400



87, 53.181, 143.400



87, 53.181, 273.400



87, 53.181, 323.400

Sweetspot

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



87, 53.182, 93.403



97, 16.708, 97.970



65, 52.835, 9.708



51, 11.290, 97.725



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, 53.182, 93.403



89, 64.828, 92.082



91, 65.176, 118.138



50, 5.723, 98.735



63, 67.182, 87.059



20, 27.960, 89.404

Inverse Universe

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



61, 57.363, 289.088



57, 72.102, 291.842



57, 73.692, 305.442



48, 5.786, 281.015



27, 91.499, 302.146



5, 34.048, 295.683

Previews

White Background



This preview shows how the CIELCh color 87, 53.181, 93.400 looks on a white background.

Color Contrast Check

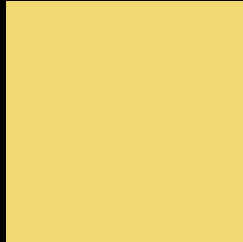
Large Text (above 18pt) WCAG AA × Fail

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, 53.181, 93.400 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, 53.181, 93.400

Background



This preview shows how black text looks on a background with the CIELCh color 87, 53.181, 93.400.



This preview shows how white text looks on a background with the CIELCh color 87, 53.181, 93.400.

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, 53.181, 93.400

Protanopia

87, 53.154, 95.698

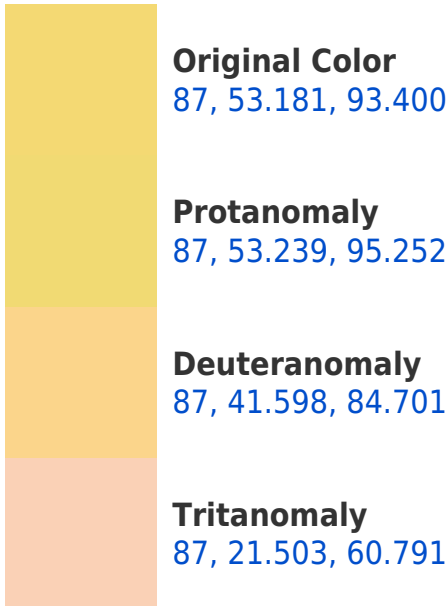
Deuteranopia

87, 35.843, 77.479

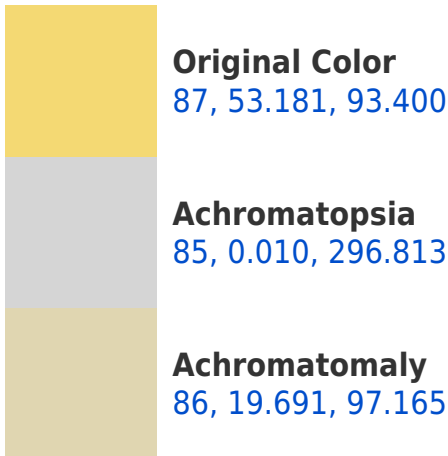


Tritanopia
87, 19.776, 356.091

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 53.181, 93.400 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(244, 217, 115)` looks like.

```
.text, #text, p{  
    color:rgb(244, 217, 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(244, 217, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 217, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 53.181, 93.400 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(244, 217, 115) }
```

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

```
.border{ border-color:rgb(244, 217, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 217, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 217, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 217, 115);  
box-shadow:4px 4px 4px 4px rgb(244, 217,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 53.181, 93.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 217, 115) }
```

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

```
.background{ background-color: rgb(244,  
217, 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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