

Converting Colors

CIELCh(87, 47.890, 76.414)

Have a look what the booklet for
CIELCh(87, 47.890, 76.414) contains.

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Color

CIELCh(86, 45.790, 81.116)

Conversions

Conversions Part 1

Format	Color
Hex	FFD081
RGB	255, 208, 129
RGB Percent	100%, 82%, 51%
CMY	0.0000, 0.1841, 0.4940
CMYK	0.00, 0.18, 0.49, 0.00
HSL	38°, 100%, 75%
HSV	38°, 49%, 100%
XYZ	67.7882, 67.9871, 30.3328
YIQ	213.0470, 53.3710, -14.6050

Conversions

Conversions Part 2

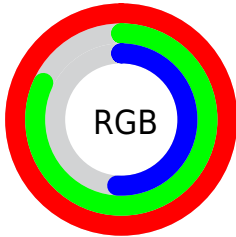
Format	Color
R _Y B	204, 255, 129
Decimal	16765057
CIE Lab	86.00, 7.07, 45.24
CIE LCh	86, 45.790, 81.116
Yxy	67.9871, 0.4081, 0.4093
Android (android.graphics.Color)	4294955137 (0xFFFFD081)
YUV	213.0470, -41.4352, 36.7928
Hunter-Lab	82.4543, 2.4553, 35.9067

Details

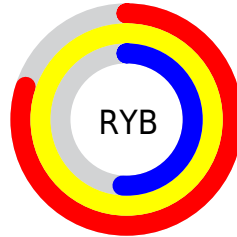
The CIELCh color **86, 45.790, 81.116** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **72, 44.287, 277.175**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 36.170, 107.421**, and **66, 45.714, 81.130** is the 20% darker color. If you saturate the color by 10%, you get **83, 55.358, 79.648**, and if you desaturate by 10%, it is **89, 36.154, 82.577**.

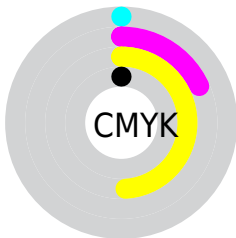
Distribution



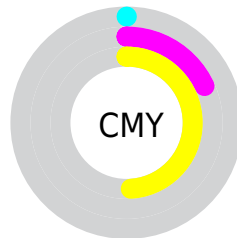
- Red (100%)
- Green (82%)
- Blue (51%)



- Red (80%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (18%)
- Yellow (49%)
- Black (0%)



- Cyan (0%)
- Magenta (18%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 45.790, 81.116 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 86, 45.790, 81.116 by changing the saturation by 10% instead.

 86, 45.790, 81.116

 86, 45.790, 81.116

 100, 45.790,
81.116

 76, 45.790, 81.116

 66, 45.790, 81.116

 56, 45.790, 81.116

 46, 45.790, 81.116

 36, 45.790, 81.116

 26, 45.790, 81.116

 16, 45.790, 81.116

 6, 45.790, 81.116

 0, 45.790, 81.116

86, 45.790, 81.116

86, 45.790, 81.116

83, 55.358, 79.648

89, 36.154, 82.577

81, 64.542, 78.054

91, 26.651, 83.968

78, 72.710, 76.268

94, 17.353, 85.317

76, 78.911, 74.114

97, 8.289, 86.611

74, 82.421, 71.407

100, 0.012,
296.813

74, 82.605, 71.240

Harmonies

Complementary

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



86, 45.790, 81.116



72, 44.287, 277.175

Rectangle

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



86, 45.790, 81.116



86, 45.790, 131.116



86, 45.790, 261.116



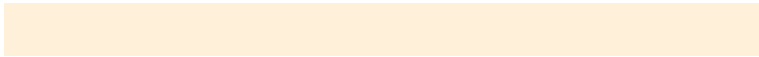
86, 45.790, 311.116

Sweetspot

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



86, 45.781, 81.142



96, 13.340, 85.894



70, 53.003, 356.683



50, 9.128, 85.619



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86, 45.781, 81.142



83, 54.984, 79.708



97, 62.047, 110.902



52, 5.017, 86.597



57, 66.499, 71.847



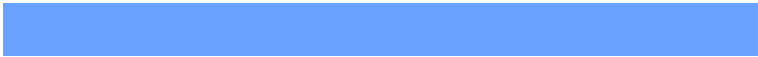
18, 27.629, 74.550

Inverse Universe

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



72, 44.287, 277.175



66, 53.227, 279.973



61, 70.884, 300.459



50, 4.993, 269.157



35, 74.015, 294.339



9, 29.696, 288.857

Previews

White Background



This preview shows how the CIELCh color 86, 45.790, 81.116 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 86, 45.790, 81.116 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 86, 45.790, 81.116

Background



This preview shows how black text looks on a background with the CIELCh color 86, 45.790, 81.116.



This preview shows how white text looks on a background with the CIELCh color 86, 45.790, 81.116.

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](#).

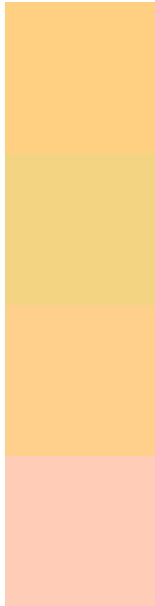
Dichromacy





Tritanopia
86, 21.098, 2.404

Trichromacy



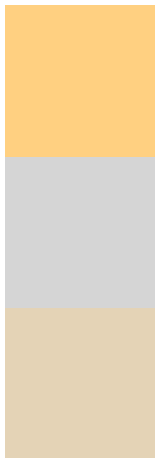
Original Color
86, 45.790, 81.116

Protanomaly
86, 43.768, 89.989

Deuteranomaly
86, 40.531, 77.732

Tritanomaly
86, 22.967, 48.924

Monochromacy



Original Color
86, 45.790, 81.116

Achromatopsia
85, 0.010, 296.813

Achromatomaly
85, 16.546, 85.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 45.790, 81.116 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, 208, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 129)  
}
```

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, 208, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 45.790, 81.116 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, 208, 129) }
```

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

```
.border{ border-color:rgb(255, 208, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 208, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 208, 129); box-shadow:4px 4px 4px 4px rgb(255, 208, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 45.790, 81.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 129) }
```

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

```
.background{ background-color: rgb(255,  
208, 129) }
```

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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