

Converting Colors

CIELCh(100, 78.564, 53.570)

Have a look what the booklet for
CIELCh(100, 78.564, 53.570)
contains.

CIELCh(88, 45.894, 85.850)	3
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Color

CIELCh(88, 45.894, 85.850)

Conversions

Conversions Part 1

Format	Color
Hex	FFD885
RGB	255, 216, 133
RGB Percent	100%, 85%, 52%
CMY	0.0000, 0.1529, 0.4784
CMYK	0.00, 0.15, 0.48, 0.00
HSL	41°, 100%, 76%
HSV	41°, 48%, 100%
XYZ	70.0296, 72.0653, 32.4095
YIQ	218.1990, 49.8870, -17.5450

Conversions

Conversions Part 2

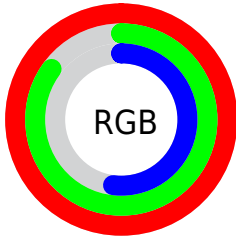
Format	Color
R_{YB}	190, 255, 133
Decimal	16767109
CIE _{Lab}	88.00, 3.32, 45.77
CIE _{LCh}	88, 45.894, 85.850
Yxy	72.0653, 0.4013, 0.4130
Android (android.graphics.Color)	4294957189 (0xFFFFD885)
YUV	218.1990, -42.0031, 32.2745
Hunter-Lab	84.8913, -1.3091, 36.7884

Details

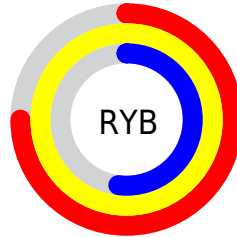
The CIELCh color **88, 45.894, 85.850** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **71, 46.072, 280.869**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.195, 107.573**, and **68, 45.945, 85.653** is the 20% darker color. If you saturate the color by 10%, you get **86, 55.541, 84.401**, and if you desaturate by 10%, it is **90, 36.102, 87.257**.

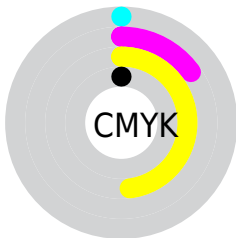
Distribution



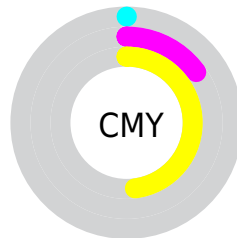
- Red (100%)
- Green (85%)
- Blue (52%)



- Red (75%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)
- Black (0%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 45.894, 85.850 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 88, 45.894, 85.850 by changing the saturation by 10% instead.

 88, 45.894, 85.850

 88, 45.894, 85.850

 100, 45.894,
85.850

 78, 45.894, 85.850

 68, 45.894, 85.850

 58, 45.894, 85.850

 48, 45.894, 85.850

 38, 45.894, 85.850

 28, 45.894, 85.850

 18, 45.894, 85.850

 8, 45.894, 85.850

 0, 45.894, 85.850

88, 45.894, 85.850

88, 45.894, 85.850

86, 55.541, 84.401

90, 36.102, 87.257

83, 64.693, 82.870

93, 26.347, 88.618

81, 72.751, 81.198

95, 16.724, 89.936

79, 78.821, 79.259

98, 7.272, 91.195

77, 82.070, 76.881

100, 0.012,
296.699

77, 82.577, 76.339

Harmonies

Complementary

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



88, 45.894, 85.850



71, 46.072, 280.869

Rectangle

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



88, 45.894, 85.850



88, 45.894, 135.850



88, 45.894, 265.850



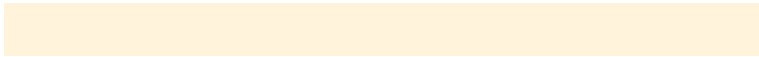
88, 45.894, 315.850

Sweetspot

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



88, 45.895, 85.854



96, 13.071, 90.429



70, 50.541, 359.925



51, 9.044, 90.153



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 45.895, 85.854



86, 54.741, 84.526



96, 60.554, 113.277



52, 5.282, 90.992



59, 66.544, 76.864



19, 28.284, 79.619

Inverse Universe

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



71, 46.072, 280.869



65, 55.432, 283.376



62, 68.495, 301.602



50, 5.288, 273.482



32, 80.697, 297.434



8, 32.383, 292.418

Previews

White Background



This preview shows how the CIELCh color 88, 45.894, 85.850 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 88, 45.894, 85.850 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 88, 45.894, 85.850

Background



This preview shows how black text looks on a background with the CIELCh color 88, 45.894, 85.850.



This preview shows how white text looks on a background with the CIELCh color 88, 45.894, 85.850.

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

88, 45.894, 85.850

Protanopia

88, 44.817, 95.876

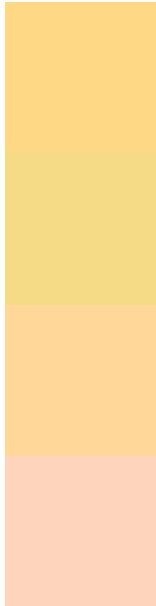
Deuteranopia

88, 30.540, 75.449



Tritanopia
88, 17.985, 0.553

Trichromacy



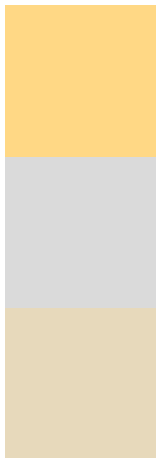
Original Color
88, 45.894, 85.850

Protanomaly
88, 45.086, 92.149

Deuteranomaly
88, 36.253, 80.767

Tritanomaly
88, 20.661, 55.420

Monochromacy



Original Color
88, 45.894, 85.850

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 16.519, 89.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 45.894, 85.850 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, 216, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 133)  
}
```

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, 216, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 45.894, 85.850 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, 216, 133) }
```

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

```
.border{ border-color:rgb(255, 216, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 45.894, 85.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 133) }
```

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

```
.background{ background-color: rgb(255,  
216, 133) }
```

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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