

Converting Colors

CIELCh(88, 36.487, 80.177)

Have a look what the booklet for
CIELCh(88, 36.487, 80.177) contains.

CIELCh(88, 36.253, 80.767)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(88, 36.253, 80.767)

Conversions

Conversions Part 1

Format	Color
Hex	FFD799
RGB	255, 215, 153
RGB Percent	100%, 84%, 60%
CMY	0.0005, 0.1573, 0.4005
CMYK	0.00, 0.16, 0.40, 0.00
HSL	36°, 100%, 80%
HSV	36°, 40%, 100%
XYZ	71.1970, 72.0653, 40.2412
YIQ	219.8920, 43.7420, -10.8020

Conversions

Conversions Part 2

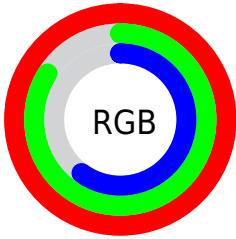
Format	Color
R _Y B	219, 255, 153
Decimal	16766873
CIE Lab	88.00, 5.82, 35.78
CIE LCh	88, 36.253, 80.767
Yxy	72.0653, 0.3880, 0.3927
Android (android.graphics.Color)	4294956953 (0xFFFFD799)
YUV	219.8920, -32.9778, 30.7897
Hunter-Lab	84.8913, 1.1455, 31.3185

Details

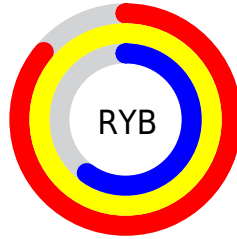
The CIELCh color **88, 36.253, 80.767** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **77, 34.796, 273.148**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **68, 36.305, 80.226** is the 20% darker color. If you saturate the color by 10%, you get **85, 45.841, 79.336**, and if you desaturate by 10%, it is **91, 26.823, 82.166**.

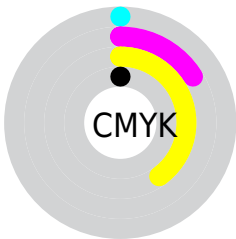
Distribution



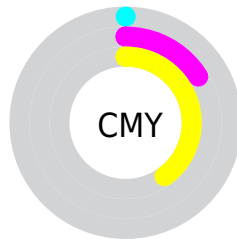
- Red (100%)
- Green (84%)
- Blue (60%)



- Red (86%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (16%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (16%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 36.253, 80.767 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, 36.253, 80.767 by changing the saturation by 10% instead.

 88, 36.253, 80.767

 88, 36.253, 80.767

 100, 36.253,
80.767

 78, 36.253, 80.767

 68, 36.253, 80.767

 58, 36.253, 80.767

 48, 36.253, 80.767

 38, 36.253, 80.767

 28, 36.253, 80.767

 18, 36.253, 80.767

 8, 36.253, 80.767

 0, 36.253, 80.767

88, 36.253, 80.767

88, 36.253, 80.767

85, 45.841, 79.336

91, 26.823, 82.166

82, 55.416, 77.839

94, 17.625, 83.519

80, 64.632, 76.236

97, 8.685, 84.820

77, 72.859, 74.422

100, 0.007, 23.181

75, 79.123, 72.202

100, 0.048,
213.457

73, 82.771, 69.409

Harmonies

Complementary

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



88, 36.253, 80.767



77, 34.796, 273.148

Rectangle

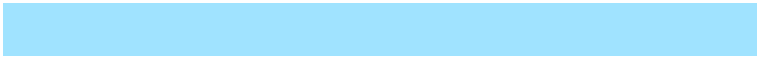
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 36.253, 80.767



88, 36.253, 130.767



88, 36.253, 260.767



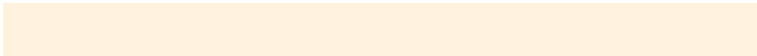
88, 36.253, 310.767

Sweetspot

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



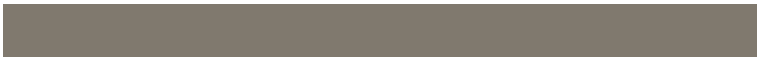
88, 36.254, 80.772



96, 10.443, 84.568



75, 43.384, 353.963



51, 6.941, 84.400



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

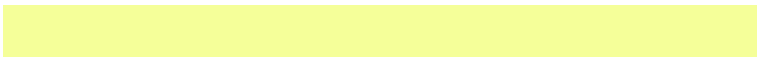
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 36.254, 80.772



86, 43.922, 79.629



97, 50.865, 110.834



52, 4.928, 84.884



56, 66.630, 70.041



18, 27.447, 72.651

Inverse Universe

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



77, 34.796, 273.148



73, 41.885, 275.167



68, 56.355, 298.567



50, 4.893, 267.460



36, 71.570, 293.065



10, 28.739, 287.415

Previews

White Background



This preview shows how the CIELCh color 88, 36.253, 80.767 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, 36.253, 80.767 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, 36.253, 80.767

Background



This preview shows how black text looks on a background with the CIELCh color 88, 36.253, 80.767.



This preview shows how white text looks on a background with the CIELCh color 88, 36.253, 80.767.

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, 36.253, 80.767

Protanopia

88, 34.737, 95.967

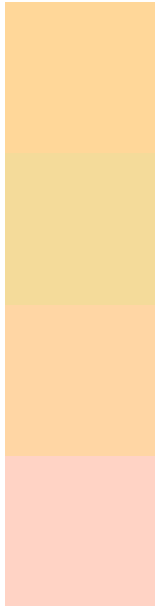
Deuteranopia

88, 27.887, 72.500



Tritanopia
88, 18.146, 358.997

Trichromacy



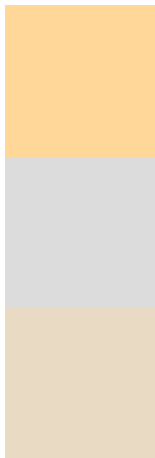
Original Color
88, 36.253, 80.767

Protanomaly
88, 35.137, 90.637

Deuteranomaly
88, 30.989, 75.886

Tritanomaly
88, 18.430, 43.587

Monochromacy



Original Color
88, 36.253, 80.767

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 12.774, 82.858

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 36.253, 80.767 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, 215, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 153)  
}
```

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, 215, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 36.253, 80.767 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, 215, 153) }
```

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

```
.border{ border-color:rgb(255, 215, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 36.253, 80.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 153) }
```

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

```
.background{ background-color: rgb(255,  
215, 153) }
```

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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