

# Converting Colors

CIELCh(88, 36.027, 97.324)

Have a look what the booklet for  
CIELCh(88, 36.027, 97.324) contains.

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# Color

**CIELCh(88, 36.149, 96.900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDD98
RGB	237, 221, 152
RGB Percent	93%, 87%, 60%
CMY	0.0701, 0.1329, 0.4035
CMYK	0.00, 0.07, 0.36, 0.07
HSL	49°, 70%, 76%
HSV	49°, 36%, 93%
XYZ	66.5244, 72.0653, 40.1539
YIQ	217.9180, 31.6850, -18.0670

# Conversions

## Conversions Part 2

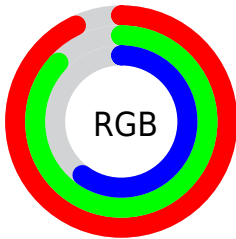
Format	Color
<a href="#">RYB</a>	<a href="#">172, 237, 152</a>
Decimal	<a href="#">15588760</a>
CIELab	<a href="#">88.00, -4.34, 35.89</a>
CIELCh	<a href="#">88, 36.149, 96.900</a>
Yxy	<a href="#">72.0653, 0.3722, 0.4032</a>
Android (android.graphics.Color)	<a href="#">4293778840 (0xFFE9DD98)</a>
YUV	<a href="#">217.9180, -32.4976, 16.7349</a>
Hunter-Lab	<a href="#">84.8913, -8.6796, 31.3795</a>

# Details

The CIELCh color **88, 36.149, 96.900** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **70, 37.927, 286.429**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **68, 36.162, 96.780** is the 20% darker color. If you saturate the color by 10%, you get **87, 46.085, 95.682**, and if you desaturate by 10%, it is **90, 26.062, 98.109**.

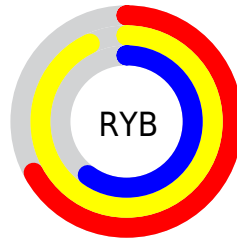
# Distribution



Red (93%)

Green (87%)

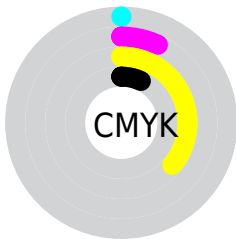
Blue (60%)



Red (67%)

Yellow (93%)

Blue (60%)

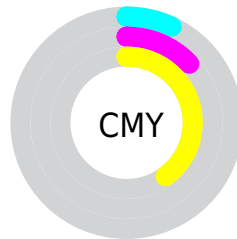


Cyan (0%)

Magenta (7%)

Yellow (36%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 36.149, 96.900 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, 36.149, 96.900 by changing the saturation by 10% instead.



 88, 36.149, 96.900

 88, 36.149, 96.900

 100, 36.149,  
96.900

 78, 36.149, 96.900

 68, 36.149, 96.900

 58, 36.149, 96.900

 48, 36.149, 96.900

 38, 36.149, 96.900

 28, 36.149, 96.900

 18, 36.149, 96.900

 8, 36.149, 96.900

 0, 36.149, 96.900

88, 36.149, 96.900

88, 36.149, 96.900

87, 46.085, 95.682

90, 26.062, 98.109

85, 55.656, 94.450

91, 15.942, 99.287

84, 64.509, 93.209

93, 5.858, 100.418

82, 72.092, 91.953

95, 4.154, 281.601

81, 77.668, 90.651

96, 6.283, 270.486

80, 80.562, 89.246

97, 5.139, 244.464

80, 81.204, 88.636

98, 5.378, 213.778

99, 6.139, 199.124

# Harmonies

# Complementary

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



88, 36.149, 96.900



70, 37.927, 286.429

# Rectangle

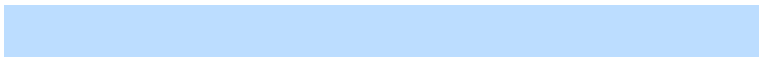
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88, 36.149, 96.900



88, 36.149, 146.900



88, 36.149, 276.900



88, 36.149, 326.900

# Sweetspot

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



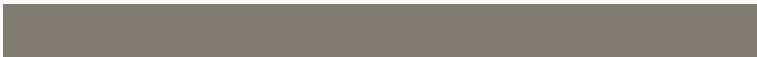
88, 36.150, 96.904



98, 11.713, 99.839



72, 34.310, 7.536



52, 7.875, 99.684



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, 36.150, 96.904



93, 45.904, 96.011



90, 44.281, 119.711



48, 5.650, 100.019



62, 66.446, 88.915



18, 25.963, 91.361





# Inverse Universe

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



70, 37.927, 286.429



70, 48.852, 287.931



68, 47.707, 304.349



46, 5.720, 282.248



25, 91.526, 302.778

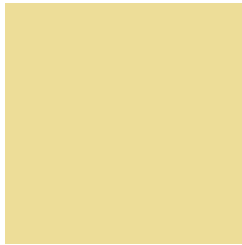


4, 31.106, 293.899



# Previews

## White Background



This preview shows how the CIELCh color 88, 36.149, 96.900 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, 36.149, 96.900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

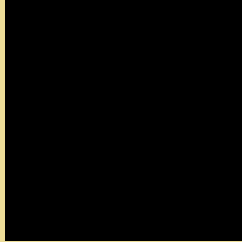
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

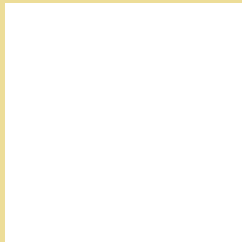
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 36.149, 96.900

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 36.149, 96.900.

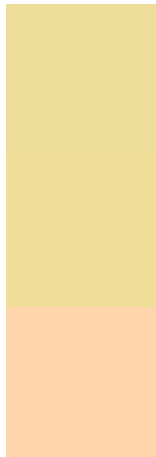


This preview shows how white text looks on a background with the CIELCh color 88, 36.149, 96.900.

# 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, 36.149, 96.900

### Protanopia

88, 36.312, 95.642

### Deuteranopia

88, 27.734, 71.277



**Tritanopia**  
88, 15.454, 345.642



# Trichromacy



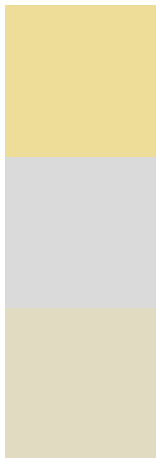
**Original Color**  
88, 36.149, 96.900

**Protanomaly**  
88, 36.228, 96.270

**Deuteranomaly**  
88, 30.008, 82.635

**Tritanomaly**  
88, 13.186, 56.094

# Monochromacy



**Original Color**  
88, 36.149, 96.900

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
87, 13.196, 99.209

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 36.149, 96.900 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(237, 221, 152)` looks like.

```
.text, #text, p{  
    color:rgb(237, 221, 152)  
}
```

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(237, 221, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 221, 152) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 36.149, 96.900 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(237, 221, 152) }
```

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

```
.border{ border-color:rgb(237, 221, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 221, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 221, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 221, 152);  
box-shadow:4px 4px 4px 4px rgb(237, 221,  
152) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 36.149, 96.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 221, 152) }
```

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

```
.background{ background-color: rgb(237,  
221, 152) }
```

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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