

# Converting Colors

CIELCh(88, 17.864, 92.514)

Have a look what the booklet for  
CIELCh(88, 17.864, 92.514) contains.

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# Color

**CIELCh(88, 17.849, 92.524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9DCBB
RGB	233, 220, 187
RGB Percent	91%, 86%, 73%
CMY	0.0864, 0.1374, 0.2668
CMYK	0.00, 0.06, 0.20, 0.09
HSL	43°, 51%, 82%
HSV	43°, 20%, 91%
XYZ	68.1362, 72.0653, 57.3080
YIQ	220.1250, 18.3410, -7.5070

# Conversions

## Conversions Part 2

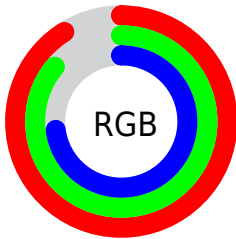
Format	Color
RYP	205, 233, 187
Decimal	15326395
CIELab	88.00, -0.79, 17.83
CIElCh	88, 17.849, 92.524
Yxy	72.0653, 0.3450, 0.3649
Android (android.graphics.Color)	4293516475 (0xFFE9DCBB)
YUV	220.1250, -16.3306, 11.2914
Hunter-Lab	84.8913, -5.2904, 19.3986

# Details

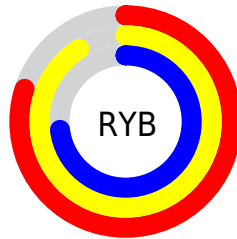
The CIELCh color **88, 17.849, 92.524** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **81, 17.975, 277.724**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 6.073, 109.711**, and **68, 17.677, 92.258** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.076, 91.242**, and if you desaturate by 10%, it is **90, 8.738, 93.773**.

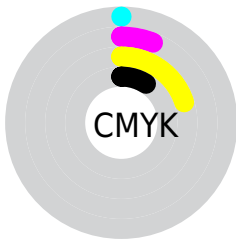
# Distribution



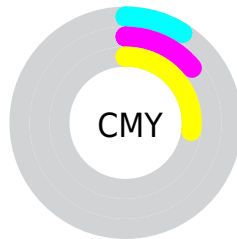
- Red (91%)
- Green (86%)
- Blue (73%)



- Red (80%)
- Yellow (91%)
- Blue (73%)



- Cyan (0%)
- Magenta (6%)
- Yellow (20%)
- Black (9%)



- Cyan (9%)
- Magenta (14%)
- Yellow (27%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 17.849, 92.524 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, 17.849, 92.524 by changing the saturation by 10% instead.



 88, 17.849, 92.524

 88, 17.849, 92.524

 100, 17.849,  
92.524

 78, 17.849, 92.524

 68, 17.849, 92.524

 58, 17.849, 92.524

 48, 17.849, 92.524

 38, 17.849, 92.524

 28, 17.849, 92.524

 18, 17.849, 92.524

 8, 17.849, 92.524

 0, 17.849, 92.524

88, 17.849, 92.524

88, 17.849, 92.524

86, 27.076, 91.242

90, 8.738, 93.773

84, 36.359, 89.913

92, 0.237, 275.988

82, 45.588, 88.548

95, 8.156, 274.387

80, 54.554, 87.138

96, 6.314, 244.366

78, 62.883, 85.662

98, 6.871, 208.216

76, 69.967, 84.062

98, 7.536, 199.016

75, 74.976, 82.236

73, 77.495, 80.083

73, 77.551, 80.028

# Harmonies

# Complementary

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



88, 17.849, 92.524



81, 17.975, 277.724

# Rectangle

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



88, 17.849, 92.524



88, 17.849, 142.524



88, 17.849, 272.524



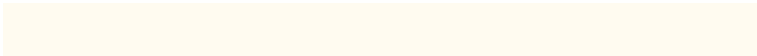
88, 17.849, 322.524

# Sweetspot

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



88, 17.850, 92.532



99, 5.768, 94.211



80, 18.521, 359.139



52, 3.828, 94.135



0, 0.000, 0.000



53, 0.007, 296.813

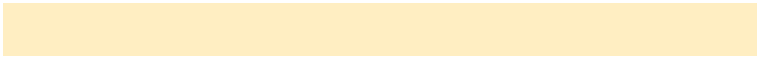


# Same Dimension

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



88, 17.850, 92.532



94, 23.422, 91.973



91, 23.956, 117.319



48, 5.121, 93.806



58, 64.275, 80.456



16, 24.120, 83.353





# Inverse Universe

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



81, 17.975, 277.724



85, 23.623, 278.449



78, 24.982, 300.115



46, 5.146, 276.213



29, 81.514, 299.144

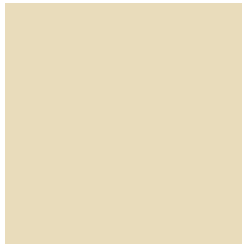


5, 28.510, 291.109



# Previews

## White Background



This preview shows how the CIELCh color 88, 17.849, 92.524 looks on a white background.

## Color Contrast Check

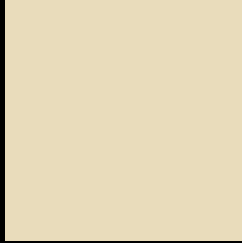
Large Text (above 18pt) WCAG AA × Fail

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, 17.849, 92.524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

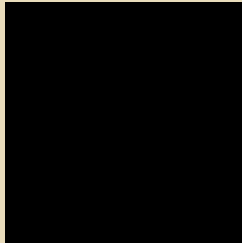
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

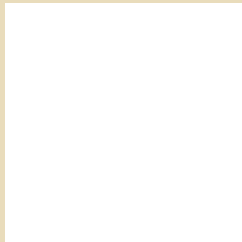
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 88, 17.849, 92.524

## Background



This preview shows how black text looks on a background with the CIELCh color 88, 17.849, 92.524.

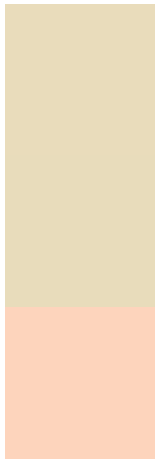


This preview shows how white text looks on a background with the CIELCh color 88, 17.849, 92.524.

# 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, 17.849, 92.524

### Protanopia

88, 17.744, 93.721

### Deuteranopia

88, 20.359, 57.787



**Tritanopia**  
88, 12.641, 335.810



# Trichromacy



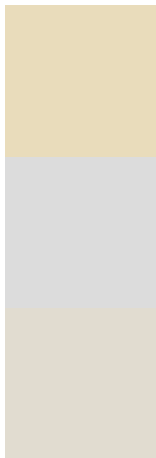
**Original Color**  
88, 17.849, 92.524

**Protanomaly**  
88, 17.744, 93.721

**Deuteranomaly**  
88, 18.543, 68.776

**Tritanomaly**  
88, 7.724, 23.737

# Monochromacy



**Original Color**  
88, 17.849, 92.524

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
88, 6.494, 93.182

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 88, 17.849, 92.524 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(233, 220, 187)` looks like.

```
.text, #text, p{  
    color:rgb(233, 220, 187)  
}
```

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(233, 220, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 220, 187) }
```

## Border

The CSS property to change the border of an element to CIELCh 88, 17.849, 92.524 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(233, 220, 187) }
```

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

```
.border{ border-color:rgb(233, 220, 187) }
```

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

Here you see how a box with a 4 pixel rgb(233, 220, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 220, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 220, 187);  
box-shadow:4px 4px 4px 4px rgb(233, 220,  
187) }
```

# Background

The CSS property to change the background color of an element to CIELCh 88, 17.849, 92.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 220, 187) }
```

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

```
.background{ background-color: rgb(233,  
220, 187) }
```

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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