

# Converting Colors

CIELCh(87, 14.217, 110.228)

Have a look what the booklet for  
CIELCh(87, 14.217, 110.228)  
contains.

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# Color

**CIELCh(87, 14.054, 110.522)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBDCC1
RGB	219, 220, 193
RGB Percent	86%, 86%, 76%
CMY	0.1417, 0.1377, 0.2436
CMYK	0.00, 0.00, 0.12, 0.14
HSL	62°, 28%, 81%
HSV	62°, 12%, 86%
XYZ	64.3482, 70.0064, 60.5016
YIQ	216.6230, 8.0710, -8.6090

# Conversions

## Conversions Part 2

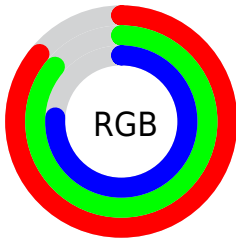
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	193, 220, 194
Decimal	14408897
CIE Lab	87.00, -4.93, 13.16
CIE LCh	87, 14.054, 110.522
Yxy	70.0064, 0.3302, 0.3593
Android (android.graphics.Color)	4292598977 (0xFFDBDCC1)
YUV	216.6230, -11.6461, 2.0846
Hunter-Lab	83.6698, -9.1426, 15.6963

# Details

The CIELCh color **87, 14.054, 110.522** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **79, 14.457, 292.861**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 3.032, 109.926**, and **67, 14.267, 110.292** is the 20% darker color. If you saturate the color by 10%, you get **86, 25.413, 109.615**, and if you desaturate by 10%, it is **88, 2.606, 111.419**.

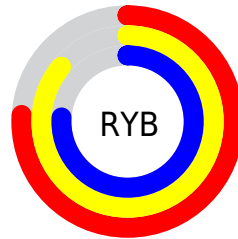
# Distribution



Red (86%)

Green (86%)

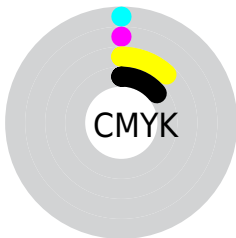
Blue (76%)



Red (76%)

Yellow (86%)

Blue (76%)

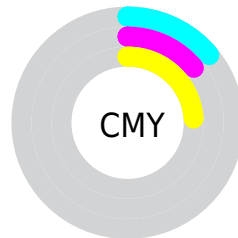


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (14%)



Cyan (14%)

Magenta (14%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 14.054, 110.522 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 87, 14.054, 110.522 by changing the saturation by 10% instead.





 87, 14.054,  
110.522


 87, 14.054,  
110.522


 100, 14.054,  
110.522


 77, 14.054,  
110.522


 67, 14.054,  
110.522

 57, 14.054,  
110.522

 47, 14.054,  
110.522

 37, 14.054,  
110.522

 27, 14.054,  
110.522

 17, 14.054,

110.522

■ 7, 14.054, 110.522

■ 0, 14.054, 110.522

■ 87, 14.054,  
110.522

■ 87, 14.054,  
110.522

■ 86, 25.413,  
109.615

■ 88, 2.606, 111.419

■ 86, 36.584,  
108.708

■ 88, 8.875, 292.332

■ 86, 47.425,  
107.830

■ 89, 18.346,  
293.188

■ 85, 57.716,  
107.009

■ 89, 18.359,  
294.045

■ 85, 67.122,

■ 89, 18.376,  
294.903

106.285

89, 18.397,  
295.760

85, 75.184,  
105.702

89, 18.422,  
296.617

85, 81.355,  
105.314

89, 18.451,  
297.472

85, 85.189,  
105.159

89, 18.484,  
298.327

85, 86.751,  
105.179

# Harmonies

# Complementary

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



87, 14.054, 110.522



79, 14.457, 292.861

# Rectangle

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



87, 14.054, 110.522



87, 14.054, 160.522



87, 14.054, 290.522



87, 14.054, 340.522

# Sweetspot

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



87, 14.056, 110.529



100, 5.164, 111.270



80, 9.844, 22.889



53, 3.671, 111.203



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



87, 14.056, 110.529



99, 19.348, 110.269



86, 15.109, 129.697



46, 6.487, 110.787



68, 72.659, 105.142



18, 26.506, 106.273



# Inverse Universe

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



79, 14.457, 292.861



88, 20.029, 293.178



80, 15.351, 310.757



42, 6.632, 292.558



20, 100.021, 306.406

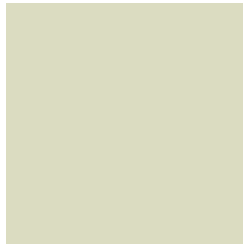


2, 29.645, 295.833



# Previews

## White Background



This preview shows how the CIELCh color 87, 14.054, 110.522 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 CIE LCh color 87, 14.054, 110.522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

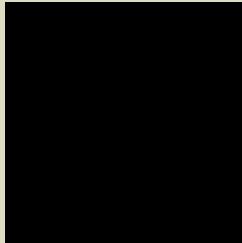
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

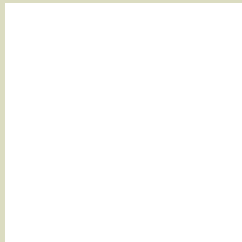
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 87, 14.054, 110.522**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 87, 14.054, 110.522.



This preview shows how white text looks on a background with the CIELCh color 87, 14.054, 110.522.

# 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**  
87, 14.054, 110.522

**Protanopia**  
87, 14.170, 91.878

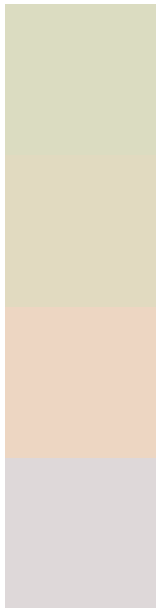
**Deuteranopia**  
87, 16.231, 48.896





**Tritanopia**  
87, 9.631, 312.382

# Trichromacy



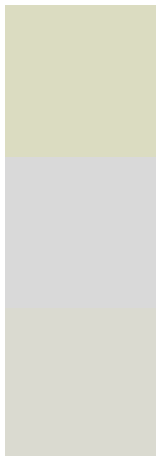
**Original Color**  
87, 14.054, 110.522

**Protanomaly**  
87, 13.788, 97.957

**Deuteranomaly**  
87, 13.640, 69.377

**Tritanomaly**  
87, 2.239, 5.812

# Monochromacy



**Original Color**  
87, 14.054, 110.522

**Achromatopsia**  
87, 0.010, 296.813

**Achromatomaly**  
87, 5.213, 109.726

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 14.054, 110.522 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(219, 220, 193)` looks like.

```
.text, #text, p{  
    color:rgb(219, 220, 193)  
}
```

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(219, 220, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 220, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 14.054, 110.522 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(219, 220, 193) }
```

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

```
.border{ border-color:rgb(219, 220, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 220, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 220, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 220, 193);  
box-shadow:4px 4px 4px 4px rgb(219, 220,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 14.054, 110.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 220, 193) }
```

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

```
.background{ background-color: rgb(219,  
220, 193) }
```

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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