

# Converting Colors

CIELCh(86, 8.765, 126.525)

Have a look what the booklet for  
CIELCh(86, 8.765, 126.525) contains.

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# Color

**CIELCh(86, 8.765, 126.525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3DAC4
RGB	211, 218, 202
RGB Percent	83%, 85%, 79%
CMY	0.1740, 0.1466, 0.2093
CMYK	0.03, 0.00, 0.07, 0.15
HSL	86°, 18%, 82%
HSV	86°, 7%, 85%
XYZ	62.3467, 67.9871, 65.4833
YIQ	214.0830, 0.9640, -6.4600

# Conversions

## Conversions Part 2

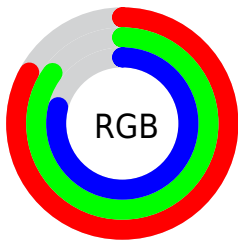
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 218, 209
Decimal	13884106
CIE Lab	86.00, -5.22, 7.04
CIE LCh	86, 8.765, 126.525
Yxy	67.9871, 0.3184, 0.3472
Android (android.graphics.Color)	4292074186 (0xFFD3DACA)
YUV	214.0830, -5.9569, -2.7038
Hunter-Lab	82.4543, -9.3247, 10.6313

# Details

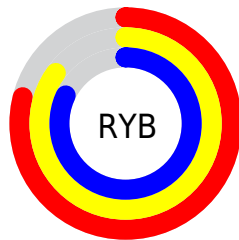
The CIELCh color  $86, 8.765, 126.525$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $82, 8.880, 307.199$ , and the grayscale version is  $86, 0.010, 296.813$ .

A 20% lighter version of the original color is  $100, 0.012, 296.813$ , and  $66, 8.732, 127.496$  is the 20% darker color. If you saturate the color by 10%, you get  $85, 20.713, 126.036$ , and if you desaturate by 10%, it is  $87, 3.167, 306.948$ .

# Distribution



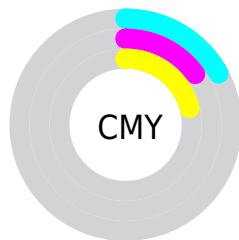
- Red (83%)
- Green (85%)
- Blue (79%)



- Red (79%)
- Yellow (85%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (7%)
- Black (15%)



- Cyan (17%)
- Magenta (15%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 86, 8.765, 126.525 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 86, 8.765, 126.525 by changing the saturation by 10% instead.



86, 8.765, 126.525

86, 8.765, 126.525

100, 8.765,  
126.525

76, 8.765, 126.525

66, 8.765, 126.525

56, 8.765, 126.525

46, 8.765, 126.525

36, 8.765, 126.525

26, 8.765, 126.525

16, 8.765, 126.525

6, 8.765, 126.525

0, 8.765, 126.525

86, 8.765, 126.525

86, 8.765, 126.525

85, 20.713,  
126.036

87, 3.167, 306.948

84, 32.585,  
125.531

89, 15.029,  
307.403

83, 44.261,  
125.035

90, 20.922,  
312.350

82, 55.563,  
124.580

90, 22.288,  
320.423

81, 66.230,  
124.222

91, 23.405,  
325.239

80, 75.890,  
124.043

80, 84.055,  
124.157

79, 90.214,  
124.690

■ 79, 94.126,  
125.711

# Harmonies

# Complementary

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



86, 8.765, 126.525



82, 8.880, 307.199

# Rectangle

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



86, 8.765, 126.525



86, 8.765, 176.525



86, 8.765, 306.525



86, 8.765, 356.525

# Sweetspot

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



86, 8.767, 126.530



100, 2.702, 126.812



84, 4.932, 66.974



53, 1.536, 126.819



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



86, 8.767, 126.530



99, 12.212, 126.445



85, 10.045, 142.279



46, 6.816, 126.428



64, 79.989, 125.753



16, 28.731, 126.081



# Inverse Universe

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



82, 8.880, 307.199



93, 12.395, 307.288



83, 10.073, 322.987



43, 6.922, 307.306



25, 94.650, 310.625

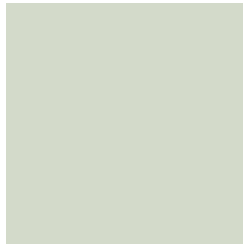


3, 30.815, 306.979



# Previews

## White Background



This preview shows how the CIELCh color 86, 8.765, 126.525 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 86, 8.765, 126.525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

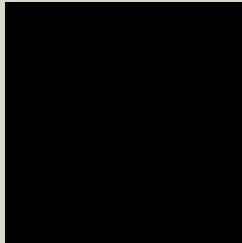
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

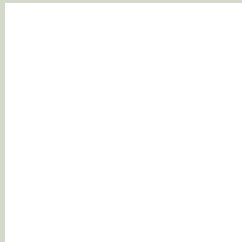
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 86, 8.765, 126.525

## Background



This preview shows how black text looks on a background with the CIELCh color 86, 8.765, 126.525.



This preview shows how white text looks on a background with the CIELCh color 86, 8.765, 126.525.

# 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

86, 8.765, 126.525

### Protanopia

86, 7.886, 87.343

### Deuteranopia

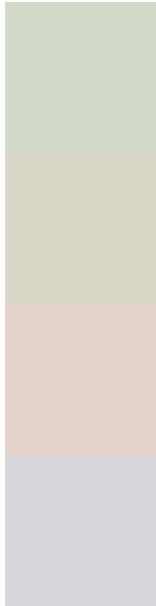
86, 12.181, 30.064





**Tritanopia**  
86, 8.972, 295.407

# Trichromacy



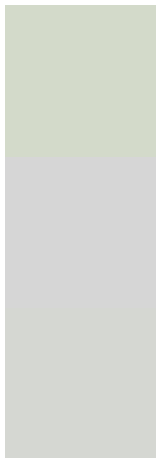
**Original Color**  
86, 8.765, 126.525

**Protanomaly**  
86, 7.391, 100.896

**Deuteranomaly**  
86, 7.881, 56.272

**Tritanomaly**  
86, 2.714, 275.214

# Monochromacy



**Original Color**  
86, 8.765, 126.525

**Achromatopsia**  
86, 0.010, 296.813

**Achromatomaly**  
86, 2.717, 125.422

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 86, 8.765, 126.525 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(211, 218, 202)` looks like.

```
.text, #text, p{  
    color:rgb(211, 218, 202)  
}
```

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(211, 218, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 218, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 86, 8.765, 126.525 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(211, 218, 202) }
```

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

```
.border{ border-color:rgb(211, 218, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 218, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 218, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 218, 202);  
box-shadow:4px 4px 4px 4px rgb(211, 218,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 86, 8.765, 126.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 218, 202) }
```

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

```
.background{ background-color: rgb(211,  
218, 202) }
```

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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