

# Converting Colors

CIELCh(82, 27.395, 96.410)

Have a look what the booklet for  
CIELCh(82, 27.395, 96.410) contains.

<b>CIELCh(82, 27.288, 96.756)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(82, 27.288, 96.756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9CC99
RGB	217, 204, 153
RGB Percent	85%, 80%, 60%
CMY	0.1486, 0.1996, 0.3997
CMYK	0.00, 0.06, 0.29, 0.15
HSL	48°, 46%, 73%
HSV	48°, 29%, 85%
XYZ	56.0149, 60.2982, 38.8610
YIQ	202.0730, 24.1190, -13.1050

# Conversions

## Conversions Part 2

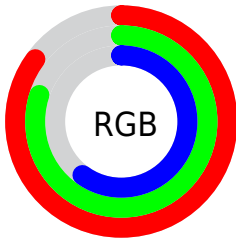
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 217, 153
Decimal	14273689
CIELab	82.00, -3.21, 27.10
CIELCh	82, 27.288, 96.756
Yxy	60.2982, 0.3610, 0.3886
Android (android.graphics.Color)	4292463769 (0xFFD9CC99)
YUV	202.0730, -24.1930, 13.0910
Hunter-Lab	77.6519, -7.1283, 24.6846

# Details

The CIELCh color **82, 27.288, 96.756** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **69, 28.219, 284.387**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 23.732, 108.378**, and **62, 27.013, 97.032** is the 20% darker color. If you saturate the color by 10%, you get **81, 36.546, 95.535**, and if you desaturate by 10%, it is **84, 17.989, 97.961**.

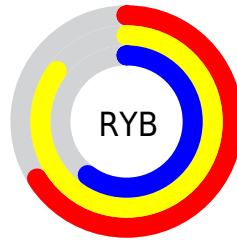
# Distribution



Red (85%)

Green (80%)

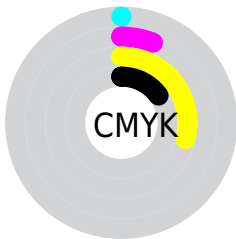
Blue (60%)



Red (66%)

Yellow (85%)

Blue (60%)

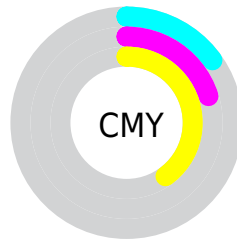


Cyan (0%)

Magenta (6%)

Yellow (29%)

Black (15%)



Cyan (15%)

Magenta (20%)

Yellow (40%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 27.288, 96.756 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 82, 27.288, 96.756 by changing the saturation by 10% instead.



 82, 27.288, 96.756

 82, 27.288, 96.756

 100, 27.288,  
96.756

 72, 27.288, 96.756

 62, 27.288, 96.756

 52, 27.288, 96.756

 42, 27.288, 96.756

 32, 27.288, 96.756

 22, 27.288, 96.756

 12, 27.288, 96.756

 2, 27.288, 96.756

 0, 27.288, 96.756

82, 27.288, 96.756

82, 27.288, 96.756

81, 36.546, 95.535

84, 17.989, 97.961

79, 45.629, 94.291

85, 8.719, 99.122

78, 54.310, 93.031

87, 0.484, 280.625

76, 62.215, 91.753

89, 9.598, 281.385

75, 68.770, 90.437

90, 15.236,  
279.928

74, 73.261, 89.036

91, 13.347,  
271.452

73, 75.408, 87.497

73, 75.502, 87.417

92, 11.835,  
260.588

93, 10.849,  
247.262

95, 10.530,  
232.326



# Harmonies

# Complementary

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



82, 27.288, 96.756



69, 28.219, 284.387

# Rectangle

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



82, 27.288, 96.756



82, 27.288, 146.756



82, 27.288, 276.756



82, 27.288, 326.756

# Sweetspot

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



82, 27.289, 96.761



98, 9.426, 99.168



70, 26.031, 5.275



52, 6.555, 99.001



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



82, 27.289, 96.761



94, 36.928, 96.048



84, 33.957, 119.415



45, 5.262, 99.127



59, 63.935, 87.687



15, 21.711, 90.786



# Inverse Universe

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



69, 28.219, 284.387



76, 38.521, 285.463



67, 36.071, 303.242



43, 5.322, 281.369



24, 87.006, 302.216

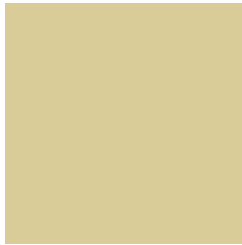


4, 25.489, 290.047



# Previews

## White Background



This preview shows how the CIELCh color 82, 27.288, 96.756 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 82, 27.288, 96.756 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

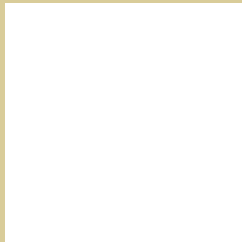
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 82, 27.288, 96.756

## Background



This preview shows how black text looks on a background with the CIELCh color 82, 27.288, 96.756.



This preview shows how white text looks on a background with the CIELCh color 82, 27.288, 96.756.

# 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

82, 27.288, 96.756


### Protanopia

82, 27.371, 95.927

### Deuteranopia

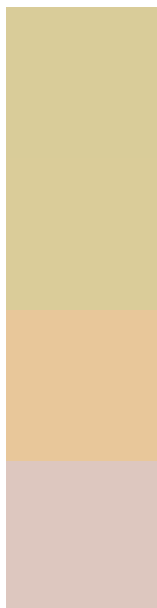
82, 28.351, 69.147





**Tritanopia**  
82, 13.302, 340.952

# Trichromacy



**Original Color**  
82, 27.288, 96.756

**Protanomaly**  
82, 27.371, 95.927

**Deuteranomaly**  
82, 27.386, 78.830

**Tritanomaly**  
82, 9.340, 46.725

# Monochromacy



**Original Color**  
82, 27.288, 96.756

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
82, 10.139, 100.681

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 82, 27.288, 96.756 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(217, 204, 153)` looks like.

```
.text, #text, p{  
    color:rgb(217, 204, 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(217, 204, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 204, 153) }
```

## Border

The CSS property to change the border of an element to CIELCh 82, 27.288, 96.756 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(217, 204, 153) }
```

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

```
.border{ border-color:rgb(217, 204, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 204, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 204, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 204, 153);  
box-shadow:4px 4px 4px 4px rgb(217, 204,  
153) }
```

# Background

The CSS property to change the background color of an element to CIELCh 82, 27.288, 96.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 204, 153) }
```

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

```
.background{ background-color: rgb(217,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor