

# Converting Colors

CIELCh(79, 57.382, 123.422)

Have a look what the booklet for  
CIELCh(79, 57.382, 123.422)  
contains.

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**Color**

**CIELCh(79, 57.424, 123.432)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A6D267
RGB	166, 210, 103
RGB Percent	65%, 82%, 40%
CMY	0.3506, 0.1780, 0.5975
CMYK	0.21, 0.00, 0.51, 0.18
HSL	85°, 54%, 61%
HSV	85°, 51%, 82%
XYZ	41.0176, 54.9284, 21.1733
YIQ	184.6460, 8.1230, -42.6050

# Conversions

## Conversions Part 2

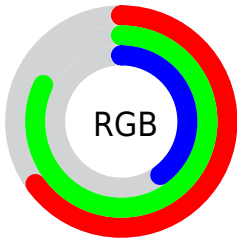
<b>Format</b>	<b>Color</b>
<b>RYB</b>	103, 210, 147
Decimal	10932839
CIELab	79.00, -31.64, 47.92
CIELCh	79, 57.424, 123.432
Yxy	54.9284, 0.3502, 0.4690
Android (android.graphics.Color)	4289122919 (0xFFA6D267)
YUV	184.6460, -40.2515, -16.3525
Hunter-Lab	74.1137, -30.9097, 34.9412

# Details

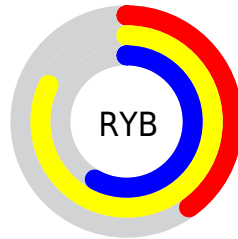
The CIELCh color **79, 57.424, 123.432** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **52, 63.037, 308.972**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 50.946, 120.484**, and **59, 57.433, 123.502** is the 20% darker color. If you saturate the color by 10%, you get **78, 67.386, 123.124**, and if you desaturate by 10%, it is **80, 46.733, 123.867**.

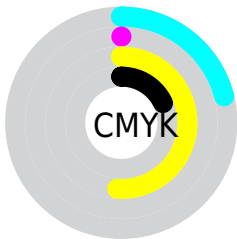
# Distribution



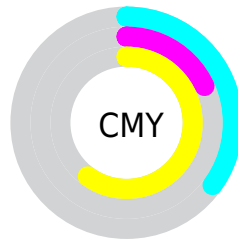
- Red (65%)
- Green (82%)
- Blue (40%)



- Red (40%)
- Yellow (82%)
- Blue (58%)



- Cyan (21%)
- Magenta (0%)
- Yellow (51%)
- Black (18%)




- Cyan (35%)
- Magenta (18%)
- Yellow (60%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 57.424, 123.432 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 79, 57.424, 123.432 by changing the saturation by 10% instead.





 79, 57.424,  
123.432


 79, 57.424,  
123.432


 100, 57.424,  
123.432


 69, 57.424,  
123.432


 99, 57.424,  
123.432

 59, 57.424,  
123.432

 49, 57.424,  
123.432

 39, 57.424,  
123.432

 29, 57.424,  
123.432

 19, 57.424,  
123.432

 9, 57.424, 123.432

0, 57.424, 123.432

79, 57.424,  
123.432

79, 57.424,  
123.432

78, 67.386,  
123.124

80, 46.733,  
123.867

78, 76.214,  
123.032

81, 35.595,  
124.360

77, 83.413,  
123.274

82, 24.209,  
124.874

77, 88.532,  
123.969

83, 12.708,  
125.385

76, 91.489,  
124.942

84, 1.184, 125.940

85, 10.298,  
306.311

■ 86, 21.692,  
306.739

■ 87, 25.372,  
311.588

■ 88, 26.489,  
317.746

# Harmonies

# Complementary

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



79, 57.424, 123.432



52, 63.037, 308.972

# Rectangle

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



79, 57.424, 123.432



79, 57.424, 173.432



79, 57.424, 303.432



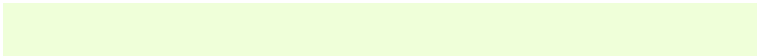
79, 57.424, 353.432

# Sweetspot

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



79, 57.425, 123.433



98, 20.251, 125.175



66, 37.752, 58.957



52, 13.815, 125.066



0, 0.000, 0.000



53, 0.007, 296.813



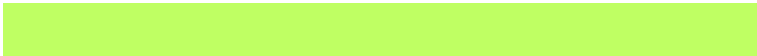


# Same Dimension

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



79, 57.425, 123.433



93, 78.838, 123.111



76, 66.065, 138.189



44, 6.519, 125.467



62, 77.540, 124.691



14, 25.401, 126.185



# Inverse Universe

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



52, 63.037, 308.972



56, 88.603, 309.650



58, 66.402, 324.042



41, 6.624, 306.372



24, 93.064, 310.146



2, 26.322, 304.271



# Previews

## White Background



This preview shows how the CIELCh color 79, 57.424, 123.432 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 79, 57.424, 123.432 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 79, 57.424, 123.432**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 79, 57.424, 123.432.

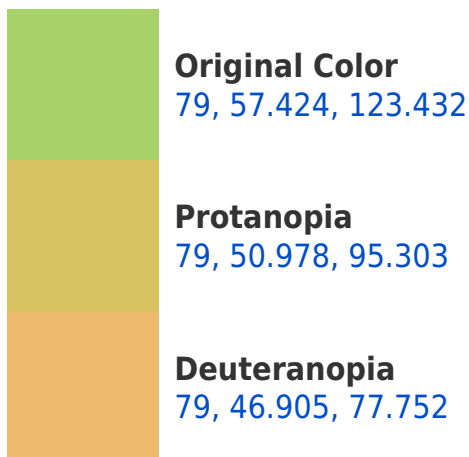


This preview shows how white text looks on a background with the CIELCh color 79, 57.424, 123.432.

# 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







**Tritanopia**  
79, 10.024, 252.407

# Trichromacy



**Original Color**  
79, 57.424, 123.432



**Protanomaly**  
79, 51.335, 106.403



**Deuteranomaly**  
79, 46.379, 96.930



**Tritanomaly**  
79, 18.530, 141.793

# Monochromacy



**Original Color**  
79, 57.424, 123.432



**Achromatopsia**  
75, 0.009, 296.813



**Achromatomaly**  
76, 21.744, 124.883

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 57.424, 123.432 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(166, 210, 103)` looks like.

```
.text, #text, p{  
    color:rgb(166, 210, 103)  
}
```

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(166, 210, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 210, 103) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 57.424, 123.432 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(166, 210, 103) }
```

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

```
.border{ border-color:rgb(166, 210, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 210, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 210, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 210, 103);  
box-shadow:4px 4px 4px 4px rgb(166, 210,  
103) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 57.424, 123.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 210, 103) }
```

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

```
.background{ background-color: rgb(166,  
210, 103) }
```

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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