

Converting Colors

CIELCh(77, 30.198, 139.906)

Have a look what the booklet for
CIELCh(77, 30.198, 139.906)
contains.

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Color

CIELCh(77, 30.223, 139.684)

Conversions

Conversions Part 1

Format	Color
Hex	9FC999
RGB	159, 201, 153
RGB Percent	62%, 79%, 60%
CMY	0.3759, 0.2112, 0.3994
CMYK	0.21, 0.00, 0.24, 0.21
HSL	113°, 31%, 69%
HSV	113°, 24%, 79%
XYZ	41.0085, 51.5317, 37.9830
YIQ	182.9700, -9.6240, -23.8320

Conversions

Conversions Part 2

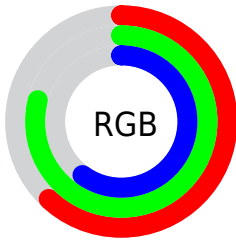
Format	Color
RYB	153, 201, 195
Decimal	10471833
CIELab	77.00, -23.04, 19.55
CIELCh	77, 30.223, 139.684
Yxy	51.5317, 0.3142, 0.3948
Android (android.graphics.Color)	4288661913 (0xFF9FC999)
YUV	182.9700, -14.7752, -21.0217
Hunter-Lab	71.7856, -23.6542, 18.8785

Details

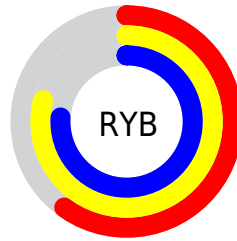
The CIELCh color **77, 30.223, 139.684** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **69, 30.424, 322.123**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 28.249, 139.941**, and **57, 30.140, 139.635** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.812, 138.988**, and if you desaturate by 10%, it is **79, 17.515, 140.302**.

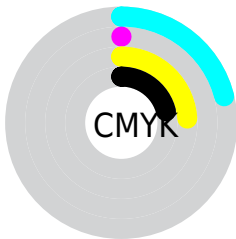
Distribution



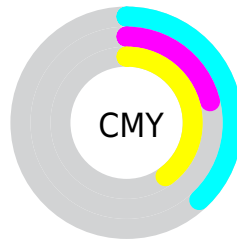
- Red (62%)
- Green (79%)
- Blue (60%)



- Red (60%)
- Yellow (79%)
- Blue (76%)



- Cyan (21%)
- Magenta (0%)
- Yellow (24%)
- Black (21%)



- Cyan (38%)
- Magenta (21%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 30.223, 139.684 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 77, 30.223, 139.684 by changing the saturation by 10% instead.

 77, 30.223,
139.684

 77, 30.223,
139.684

 100, 30.223,
139.684

 67, 30.223,
139.684

 97, 30.223,
139.684

 57, 30.223,
139.684

 47, 30.223,
139.684

 37, 30.223,
139.684

 27, 30.223,
139.684

 17, 30.223,
139.684

 7, 30.223, 139.684

■ 0, 30.223, 139.684

■ 77, 30.223,
139.684

■ 77, 30.223,
139.684

■ 76, 42.812,
138.988

■ 79, 17.515,
140.302

■ 74, 55.051,
138.220

■ 80, 4.850, 140.867

■ 73, 66.640,
137.408

■ 82, 7.651, 321.246

■ 73, 77.189,
136.610

■ 84, 19.905,
321.653

■ 72, 86.210,
135.924

■ 86, 31.858,
321.988

■ 71, 93.165,
135.480

■ 87, 33.773,
325.599

■ 71, 97.633,
135.389

■ 71, 99.363,
135.417

Harmonies

Complementary

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



77, 30.223, 139.684



69, 30.424, 322.123

Rectangle

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



77, 30.223, 139.684



77, 30.223, 189.684



77, 30.223, 319.684



77, 30.223, 9.684

Sweetspot

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



77, 30.225, 139.685



98, 10.675, 140.683



78, 22.216, 101.535



52, 6.940, 140.649



0, 0.000, 0.000



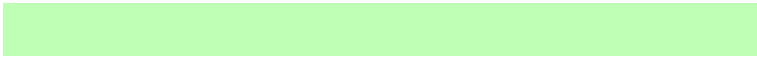
53, 0.007, 296.813

Same Dimension

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



77, 30.225, 139.685



94, 44.505, 139.308



77, 24.110, 155.185



41, 7.080, 140.557



58, 84.960, 135.316



11, 25.681, 141.165

Inverse Universe

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



69, 30.424, 322.123



82, 44.846, 322.381



69, 24.458, 338.931



39, 7.107, 321.426



35, 83.520, 323.461



4, 25.312, 321.808

Previews

White Background



This preview shows how the CIELCh color 77, 30.223, 139.684 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 77, 30.223, 139.684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

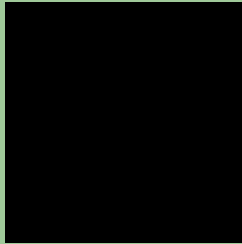
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 30.223, 139.684

Background



This preview shows how black text looks on a background with the CIELCh color 77, 30.223, 139.684.



This preview shows how white text looks on a background with the CIELCh color 77, 30.223, 139.684.

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](#).

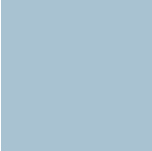
Dichromacy



Original Color
77, 30.223, 139.684

Protanopia
77, 22.495, 94.634

Deuteranopia
77, 20.178, 61.393



Tritanopia
77, 11.605, 243.086

Trichromacy



Original Color
77, 30.223, 139.684

Protanomaly
77, 23.040, 114.939

Deuteranomaly
76, 17.906, 98.311

Tritanomaly
77, 12.323, 178.050

Monochromacy



Original Color
77, 30.223, 139.684

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 11.446, 140.941

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 30.223, 139.684 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(159, 201, 153)` looks like.

```
.text, #text, p{  
    color:rgb(159, 201, 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(159, 201, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 201, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 30.223, 139.684 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(159, 201, 153) }
```

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

```
.border{ border-color:rgb(159, 201, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 201, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 201, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 201, 153); box-shadow:4px 4px 4px 4px rgb(159, 201, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 30.223, 139.684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 201, 153) }
```

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

```
.background{ background-color: rgb(159,  
201, 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](#).

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