

Converting Colors

CIE LCh(79, 68.684, 125.230)

Have a look what the booklet for
CIELCh(79, 68.684, 125.230)
contains.

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Color

CIELCh(79, 68.780, 125.164)

Conversions

Conversions Part 1

Format	Color
Hex	99D554
RGB	153, 213, 84
RGB Percent	60%, 84%, 33%
CMY	0.4005, 0.1651, 0.6710
CMYK	0.28, 0.00, 0.61, 0.17
HSL	88°, 60%, 58%
HSV	88°, 61%, 83%
XYZ	38.4751, 54.9284, 16.9388
YIQ	180.3540, 5.6490, -52.8390

Conversions

Conversions Part 2

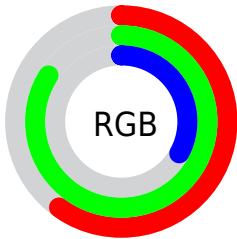
Format	Color
RYB	84, 213, 144
Decimal	10081620
CIELab	79.00, -39.61, 56.23
CIELCh	79, 68.780, 125.164
Yxy	54.9284, 0.3487, 0.4978
Android (android.graphics.Color)	4288271700 (0xFF99D554)
YUV	180.3540, -47.5025, -23.9895
Hunter-Lab	74.1137, -37.0332, 38.3288

Details

The CIELCh color **79, 68.780, 125.164** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **48, 76.063, 311.108**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 60.530, 122.586**, and **59, 68.819, 125.337** is the 20% darker color. If you saturate the color by 10%, you get **78, 77.955, 125.064**, and if you desaturate by 10%, it is **80, 58.479, 125.477**.

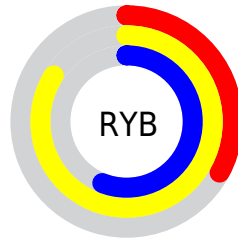
Distribution



Red (60%)

Green (84%)

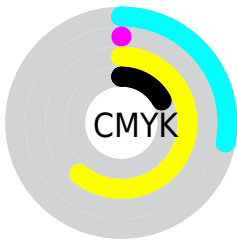
Blue (33%)



Red (33%)

Yellow (84%)

Blue (56%)

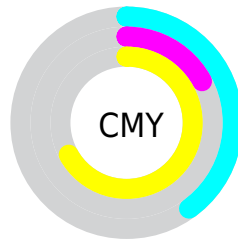


Cyan (28%)

Magenta (0%)

Yellow (61%)

Black (17%)



Cyan (40%)

Magenta (17%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 68.780, 125.164 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, 68.780, 125.164 by changing the saturation by 10% instead.

■ 79, 68.780,
125.164

■ 79, 68.780,
125.164

■ 100, 68.780,
125.164

■ 69, 68.780,
125.164

■ 99, 68.780,
125.164

■ 59, 68.780,
125.164

■ 49, 68.780,
125.164

■ 39, 68.780,
125.164

■ 29, 68.780,
125.164

■ 19, 68.780,
125.164

■ 9, 68.780, 125.164

■ 0, 68.780, 125.164

■ 79, 68.780,
125.164

■ 79, 68.780,
125.164

■ 78, 77.955,
125.064

■ 80, 58.479,
125.477

■ 78, 85.499,
125.294

■ 81, 47.452,
125.904

■ 77, 90.947,
125.976

■ 82, 35.990,
126.386

■ 77, 94.260,
127.000

■ 83, 24.291,
126.881

■ 84, 12.493,
127.368

■ 85, 0.689, 127.978

■ 86, 11.052,
308.231

■ 88, 22.684,
308.626

■ 89, 24.251,
316.160

Harmonies

Complementary

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



79, 68.780, 125.164



48, 76.063, 311.108

Rectangle

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



79, 68.780, 125.164



79, 68.780, 175.164



79, 68.780, 305.164



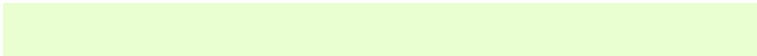
79, 68.780, 355.164

Sweetspot

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



79, 68.781, 125.165



97, 24.586, 126.999



65, 46.569, 62.941



52, 17.080, 126.855



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, 68.781, 125.165



92, 92.291, 125.094



76, 78.821, 138.295



45, 6.725, 127.424



63, 79.825, 126.749



15, 27.436, 127.684

Inverse Universe

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



48, 76.063, 311.108



50, 104.504, 311.606



56, 78.403, 325.907



42, 6.824, 308.270



26, 93.065, 311.199



3, 28.759, 307.062

Previews

White Background



This preview shows how the CIELCh color 79, 68.780, 125.164 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 79, 68.780, 125.164 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, 68.780, 125.164

Background



This preview shows how black text looks on a background with the CIELCh color 79, 68.780, 125.164.



This preview shows how white text looks on a background with the CIELCh color 79, 68.780, 125.164.

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](#).

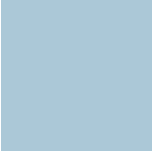
Dichromacy



Original Color
79, 68.780, 125.164

Protanopia
79, 59.557, 95.435

Deuteranopia
78, 54.767, 79.428



Tritanopia
79, 12.526, 238.811

Trichromacy



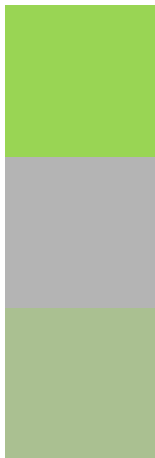
Original Color
79, 68.780, 125.164

Protanomaly
79, 60.778, 107.871

Deuteranomaly
78, 54.568, 99.207

Tritanomaly
79, 25.460, 145.169

Monochromacy



Original Color
79, 68.780, 125.164

Achromatopsia
73, 0.009, 296.813

Achromatomaly
75, 26.551, 126.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 68.780, 125.164 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(153, 213, 84)` looks like.

```
.text, #text, p{  
    color:rgb(153, 213, 84)  
}
```

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(153, 213, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 213, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 68.780, 125.164 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(153, 213, 84) }
```

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

```
.border{ border-color:rgb(153, 213, 84) }
```

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

Here you see how a box with a 4 pixel rgb(153, 213, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 213, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 213, 84);  
box-shadow:4px 4px 4px 4px rgb(153, 213,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 68.780, 125.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 213, 84) }
```

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

```
.background{ background-color: rgb(153,  
213, 84) }
```

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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