

Converting Colors

CIELCh(78, 68.960, 117.804)

Have a look what the booklet for
CIELCh(78, 68.960, 117.804)
contains.

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Color

CIELCh(78, 69.261, 117.792)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A8CF46 |
| RGB | 168, 207, 70 |
| RGB Percent | 66%, 81%, 27% |
| CMY | 0.3424, 0.1894, 0.7266 |
| CMYK | 0.19, 0.00, 0.66, 0.19 |
| HSL | 77°, 59%, 54% |
| HSV | 77°, 66%, 81% |
| XYZ | 39.4213, 53.2120, 13.9386 |
| YIQ | 179.7210, 20.7330, -50.8750 |

Conversions

Conversions Part 2

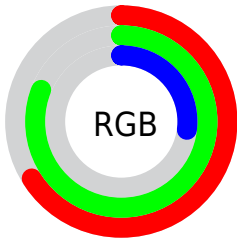
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 70, 207, 109 |
| Decimal | 11063110 |
| CIELab | 78.00, -32.29, 61.27 |
| CIElCh | 78, 69.261, 117.792 |
| Yxy | 53.2120, 0.3699, 0.4993 |
| Android (android.graphics.Color) | 4289253190 (0xFFA8CF46) |
| YUV | 179.7210, -54.0925, -10.2793 |
| Hunter-Lab | 72.9466, -31.1927, 39.7335 |

Details

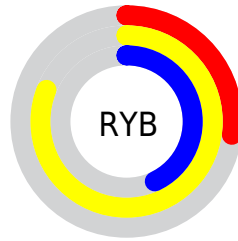
The CIELCh color **78, 69.261, 117.792** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **41, 81.409, 306.715**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 64.674, 115.608**, and **58, 69.072, 118.097** is the 20% darker color. If you saturate the color by 10%, you get **78, 76.809, 117.764**, and if you desaturate by 10%, it is **79, 60.320, 118.082**.

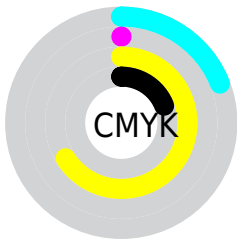
Distribution



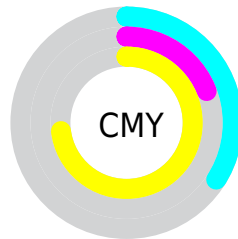
- Red (66%)
- Green (81%)
- Blue (27%)



- Red (27%)
- Yellow (81%)
- Blue (43%)



- Cyan (19%)
- Magenta (0%)
- Yellow (66%)
- Black (19%)





- Cyan (34%)
- Magenta (19%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 69.261, 117.792 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 78, 69.261, 117.792 by changing the saturation by 10% instead.


 78, 69.261,
117.792

 78, 69.261,
117.792


 100, 69.261,
117.792

 68, 69.261,
117.792

 98, 69.261,
117.792

 58, 69.261,
117.792

 48, 69.261,
117.792

 38, 69.261,
117.792

 28, 69.261,
117.792

 18, 69.261,
117.792

 8, 69.261, 117.792

0, 69.261, 117.792

78, 69.261,
117.792

78, 69.261,
117.792

78, 76.809,
117.764

79, 60.320,
118.082

77, 82.465,
118.103

79, 50.442,
118.534

77, 85.928,
118.890

80, 39.970,
119.079

77, 86.907,
119.238

81, 29.140,
119.669

82, 18.111,
120.272

82, 6.987, 120.870

■ 83, 4.158, 301.427

■ 84, 15.273,
301.979

■ 86, 25.938,
302.629

Harmonies

Complementary

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



78, 69.261, 117.792



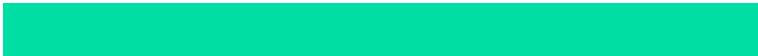
41, 81.409, 306.715

Rectangle

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



78, 69.261, 117.792



78, 69.261, 167.792



78, 69.261, 297.792



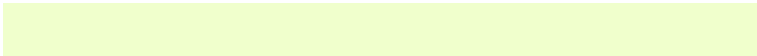
78, 69.261, 347.792

Sweetspot

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



78, 69.262, 117.794



98, 26.361, 120.033



57, 52.595, 47.439



52, 17.967, 119.861



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 69.262, 117.794



93, 93.402, 117.871



75, 79.357, 134.501



44, 6.377, 120.683



63, 74.492, 119.036



15, 24.458, 120.447

Inverse Universe

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



41, 81.409, 306.715



43, 114.825, 307.828



50, 81.138, 320.795



41, 6.499, 301.796



22, 95.295, 308.194



2, 25.939, 300.412

Previews

White Background



This preview shows how the CIELCh color 78, 69.261, 117.792 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 78, 69.261, 117.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

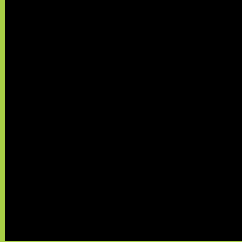
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 69.261, 117.792

Background



This preview shows how black text looks on a background with the CIELCh color 78, 69.261, 117.792.



This preview shows how white text looks on a background with the CIELCh color 78, 69.261, 117.792.

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

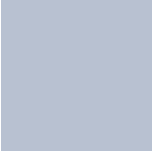
78, 69.261, 117.792

Protanopia

78, 64.041, 95.553

Deuteranopia

78, 60.171, 80.596



Tritanopia
78, 9.072, 270.572

Trichromacy



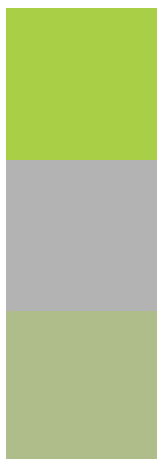
Original Color
78, 69.261, 117.792

Protanomaly
78, 64.752, 104.200

Deuteranomaly
77, 59.942, 95.773

Tritanomaly
77, 22.654, 128.156

Monochromacy



Original Color
78, 69.261, 117.792

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 27.256, 119.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 69.261, 117.792 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(168, 207, 70)` looks like.

```
.text, #text, p{  
    color:rgb(168, 207, 70)  
}
```

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(168, 207, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 207, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 69.261, 117.792 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(168, 207, 70) }
```

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

```
.border{ border-color:rgb(168, 207, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 207, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 207, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 207, 70);  
box-shadow:4px 4px 4px 4px rgb(168, 207,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 69.261, 117.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 207, 70) }
```

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

```
.background{ background-color: rgb(168,  
207, 70) }
```

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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