

Converting Colors

CIELCh(70, 78.703, 116.407)

Have a look what the booklet for
CIELCh(70, 78.703, 116.407)
contains.

CIELCh(70, 78.859, 116.448)	3
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Color

CIELCh(70, 78.859, 116.448)

Conversions

Conversions Part 1

Format	Color
Hex	8FBA01
RGB	143, 186, 1
RGB Percent	56%, 73%, 0%
CMY	0.4409, 0.2722, 0.9963
CMYK	0.23, 0.00, 0.99, 0.27
HSL	74°, 99%, 37%
HSV	74°, 99%, 73%
XYZ	28.7320, 40.7494, 6.3773
YIQ	152.0530, 33.7570, -66.6510

Conversions

Conversions Part 2

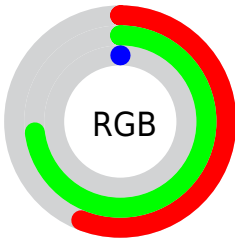
Format	Color
R_{YB}	1, 186, 44
Decimal	9419265
CIE _{Lab}	70.00, -35.12, 70.61
CIE _{LCh}	70, 78.859, 116.448
Yxy	40.7494, 0.3788, 0.5372
Android (android.graphics.Color)	4287609345 (0xFF8FBA01)
YUV	152.0530, -74.4691, -7.9395
Hunter-Lab	63.8353, -31.3695, 38.7615

Details

The CIELCh color **70, 78.859, 116.448** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **24, 103.095, 307.544**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 78.680, 116.361**, and **50, 63.760, 121.601** is the 20% darker color. If you saturate the color by 10%, you get **70, 78.985, 116.486**, and if you desaturate by 10%, it is **70, 76.138, 115.744**.

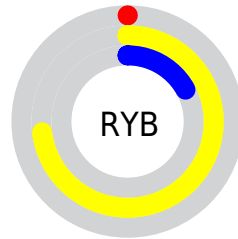
Distribution



Red (56%)

Green (73%)

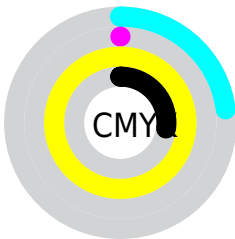
Blue (0%)



Red (0%)

Yellow (73%)

Blue (17%)

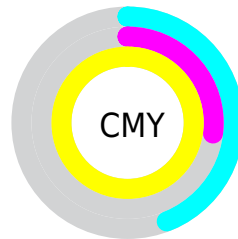


Cyan (23%)

Magenta (0%)

Yellow (99%)

Black (27%)



Cyan (44%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 78.859, 116.448 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 70, 78.859, 116.448 by changing the saturation by 10% instead.

 70, 78.859,
116.448

 70, 78.859,
116.448

 100, 78.859,
116.448

 60, 78.859,
116.448

 90, 78.859,
116.448

 50, 78.859,
116.448

 40, 78.859,
116.448

 30, 78.859,
116.448

 20, 78.859,
116.448

 10, 78.859,
116.448

 0, 78.859, 116.448

■ 70, 78.859,
116.448

■ 70, 78.859,
116.448

■ 70, 78.985,
116.486

■ 70, 76.138,
115.744

■ 71, 71.629,
115.399

■ 71, 65.278,
115.419

■ 71, 57.518,
115.706

■ 72, 48.788,
116.170

■ 73, 39.429,
116.741

■ 73, 29.684,
117.367

■ 74, 19.711,

118.015

■ 75, 9.620, 118.662

Harmonies

Complementary

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



70, 78.859, 116.448



24, 103.095, 307.544

Rectangle

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



70, 78.859, 116.448



70, 78.859, 166.448



70, 78.859, 296.448



70, 78.859, 346.448

Sweetspot

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



70, 78.859, 116.450



93, 37.460, 117.302



41, 77.257, 43.986



50, 25.686, 117.034



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 78.859, 116.450



89, 96.559, 116.691



66, 91.052, 133.427



39, 5.688, 118.673



59, 69.265, 116.321



9, 15.765, 122.649

Inverse Universe

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



24, 103.095, 307.544



32, 126.455, 307.435



35, 93.876, 317.919



36, 5.801, 299.876



19, 90.584, 307.662



1, 15.515, 297.009

Previews

White Background



This preview shows how the CIELCh color 70, 78.859, 116.448 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 70, 78.859, 116.448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

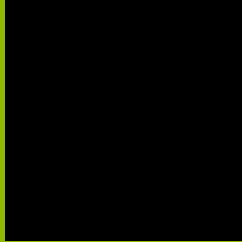
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 78.859, 116.448

Background



This preview shows how black text looks on a background with the CIELCh color 70, 78.859, 116.448.



This preview shows how white text looks on a background with the CIELCh color 70, 78.859, 116.448.

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

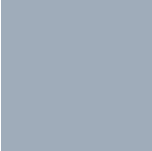
70, 78.968, 116.421

Protanopia

70, 72.513, 95.263

Deuteranopia

70, 67.791, 82.482



Tritanopia
70, 8.863, 259.411

Trichromacy



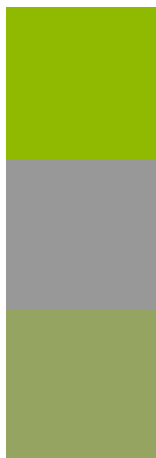
Original Color
70, 78.968, 116.421

Protanomaly
70, 73.392, 103.554

Deuteranomaly
69, 69.231, 96.365

Tritanomaly
69, 32.746, 124.385

Monochromacy



Original Color
70, 78.968, 116.421

Achromatopsia
63, 0.008, 296.813

Achromatomaly
65, 36.786, 116.293

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 78.859, 116.448 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(143, 186, 1)` looks like.

```
.text, #text, p{  
    color:rgb(143, 186, 1)  
}
```

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(143, 186, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 186, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 78.859, 116.448 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(143, 186, 1) }
```

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

```
.border{ border-color:rgb(143, 186, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 186, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 186, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 186, 1);  
box-shadow:4px 4px 4px 4px rgb(143, 186,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 78.859, 116.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 186, 1) }
```

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

```
.background{ background-color: rgb(143,  
186, 1) }
```

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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