

Converting Colors

CIELCh(69, 77.231, 119.087)

Have a look what the booklet for
CIELCh(69, 77.231, 119.087)
contains.

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Color

CIELCh(69, 77.193, 119.079)

Conversions

Conversions Part 1

Format	Color
Hex	86B812
RGB	134, 184, 18
RGB Percent	53%, 72%, 7%
CMY	0.4749, 0.2788, 0.9301
CMYK	0.27, 0.00, 0.90, 0.28
HSL	78°, 82%, 40%
HSV	78°, 90%, 72%
XYZ	27.0440, 39.3444, 6.7331
YIQ	150.1260, 23.4860, -62.2260

Conversions

Conversions Part 2

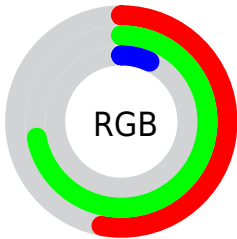
Format	Color
RYB	18, 184, 68
Decimal	8828946
CIELab	69.00, -37.52, 67.46
CIElCh	69, 77.193, 119.079
Yxy	39.3444, 0.3699, 0.5381
Android (android.graphics.Color)	4287019026 (0xFF86B812)
YUV	150.1260, -65.1381, -14.1425
Hunter-Lab	62.7251, -32.8085, 37.5432

Details

The CIELCh color **69, 77.193, 119.079** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **27, 96.357, 308.383**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 76.965, 119.171**, and **49, 64.239, 124.066** is the 20% darker color. If you saturate the color by 10%, you get **69, 79.987, 119.927**, and if you desaturate by 10%, it is **69, 72.657, 118.573**.

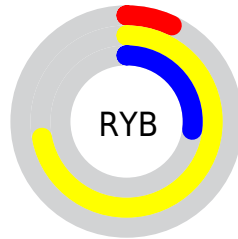
Distribution



Red (53%)

Green (72%)

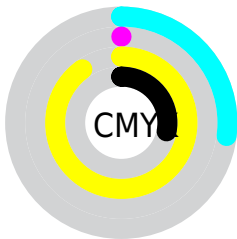
Blue (7%)



Red (7%)

Yellow (72%)

Blue (27%)

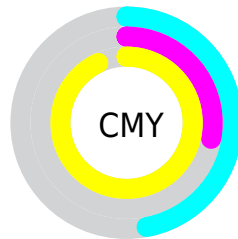


Cyan (27%)

Magenta (0%)

Yellow (90%)

Black (28%)



Cyan (47%)


Magenta (28%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 77.193, 119.079 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 69, 77.193, 119.079 by changing the saturation by 10% instead.

 69, 77.193,
119.079


 69, 77.193,
119.079


 100, 77.193,
119.079


 59, 77.193,
119.079


 89, 77.193,
119.079

 49, 77.193,
119.079

 99, 77.193,
119.079

 39, 77.193,
119.079

 29, 77.193,
119.079

 19, 77.193,
119.079

 9, 77.193, 119.079

 0, 77.193, 119.079

■ 69, 77.193,
119.079

■ 69, 77.193,
119.079

■ 69, 79.987,
119.927

■ 69, 72.657,
118.573

■ 70, 66.290,
118.468

■ 70, 58.511,
118.659

■ 71, 49.754,
119.044

■ 72, 40.365,
119.544

■ 72, 30.585,
120.103

■ 73, 20.581,
120.685

■ 74, 10.461,

121.267

■ 75, 0.303, 121.977

Harmonies

Complementary

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



69, 77.193, 119.079



27, 96.357, 308.383

Rectangle

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



69, 77.193, 119.079



69, 77.193, 169.079



69, 77.193, 299.079



69, 77.193, 349.079

Sweetspot

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



69, 77.193, 119.081



92, 33.844, 120.268



45, 67.523, 48.239



49, 22.750, 120.073



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 77.193, 119.081



87, 97.716, 120.169



66, 88.737, 134.381



38, 5.742, 121.323



59, 70.597, 119.741



9, 16.041, 125.840

Inverse Universe

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



27, 96.357, 308.383



33, 124.132, 308.194



39, 89.361, 321.108



36, 5.849, 302.386



20, 89.609, 308.462



1, 15.593, 298.941

Previews

White Background



This preview shows how the CIELCh color 69, 77.193, 119.079 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 69, 77.193, 119.079 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 69, 77.193, 119.079

Background



This preview shows how black text looks on a background with the CIELCh color 69, 77.193, 119.079.



This preview shows how white text looks on a background with the CIELCh color 69, 77.193, 119.079.

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](#).

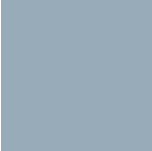
Dichromacy



Original Color
69, 77.193, 119.079

Protanopia
69, 70.367, 95.132

Deuteranopia
69, 65.458, 82.235



Tritanopia
69, 10.286, 247.622

Trichromacy



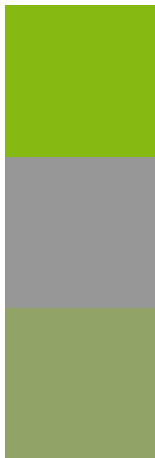
Original Color
69, 77.193, 119.079

Protanomaly
69, 71.241, 104.808

Deuteranomaly
68, 65.961, 97.438

Tritanomaly
68, 30.829, 131.029

Monochromacy



Original Color
69, 77.193, 119.079

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 33.550, 119.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 77.193, 119.079 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(134, 184, 18)` looks like.

```
.text, #text, p{  
    color:rgb(134, 184, 18)  
}
```

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(134, 184, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 184, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 77.193, 119.079 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(134, 184, 18) }
```

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

```
.border{ border-color:rgb(134, 184, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 184, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 184, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 184, 18);  
box-shadow:4px 4px 4px 4px rgb(134, 184,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 77.193, 119.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 184, 18) }
```

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

```
.background{ background-color: rgb(134,  
184, 18) }
```

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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