

Converting Colors

CIELCh(69, 80.912, 124.067)

Have a look what the booklet for
CIELCh(69, 80.912, 124.067)
contains.

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Color

CIELCh(69, 80.860, 123.960)

Conversions

Conversions Part 1

Format	Color
Hex	75BB12
RGB	117, 187, 18
RGB Percent	46%, 73%, 7%
CMY	0.5414, 0.2668, 0.9297
CMYK	0.37, 0.00, 0.90, 0.27
HSL	85°, 83%, 40%
HSV	85°, 90%, 73%
XYZ	25.1997, 39.3444, 6.8346
YIQ	146.8040, 12.5290, -67.3990

Conversions

Conversions Part 2

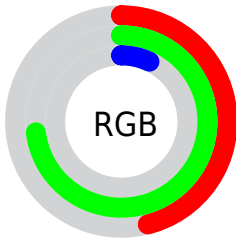
Format	Color
RYB	18, 187, 88
Decimal	7715602
CIELab	69.00, -45.17, 67.07
CIELCh	69, 80.860, 123.960
Yxy	39.3444, 0.3530, 0.5512
Android (android.graphics.Color)	4285905682 (0xFF75BB12)
YUV	146.8040, -63.5004, -26.1381
Hunter-Lab	62.7251, -38.0570, 37.4473

Details

The CIELCh color **69, 80.860, 123.960** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **30, 95.905, 310.454**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 80.896, 123.917**, and **49, 68.167, 129.351** is the 20% darker color. If you saturate the color by 10%, you get **69, 83.993, 124.930**, and if you desaturate by 10%, it is **69, 75.930, 123.333**.

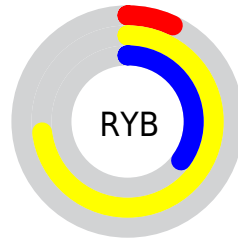
Distribution



Red (46%)

Green (73%)

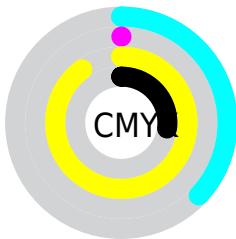
Blue (7%)



Red (7%)

Yellow (73%)

Blue (35%)

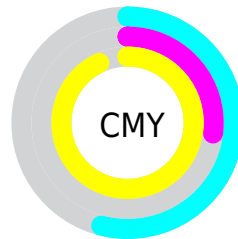


Cyan (37%)

Magenta (0%)

Yellow (90%)

Black (27%)



Cyan (54%)


Magenta (27%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 80.860, 123.960 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, 80.860, 123.960 by changing the saturation by 10% instead.


 69, 80.860,
123.960


 69, 80.860,
123.960


 100, 80.860,
123.960


 59, 80.860,
123.960


 89, 80.860,
123.960

 49, 80.860,
123.960

 99, 80.860,
123.960

 39, 80.860,
123.960

 29, 80.860,
123.960

 19, 80.860,
123.960

 9, 80.860, 123.960

 0, 80.860, 123.960

■ 69, 80.860,
123.960

■ 69, 80.860,
123.960

■ 69, 83.993,
124.930

■ 69, 75.930,
123.333

■ 70, 69.159,
123.138

■ 71, 60.970,
123.259

■ 71, 51.800,
123.581

■ 72, 41.999,
124.019

■ 73, 31.816,
124.511

■ 74, 21.420,
125.020

■ 75, 10.929,

125.524

■ 76, 0.423, 126.195

Harmonies

Complementary

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



69, 80.860, 123.960



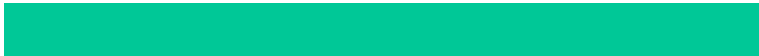
30, 95.905, 310.454

Rectangle

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



69, 80.860, 123.960



69, 80.860, 173.960



69, 80.860, 303.960



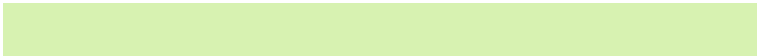
69, 80.860, 353.960

Sweetspot

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



69, 80.860, 123.961



92, 34.907, 124.662



48, 65.270, 54.900



49, 23.678, 124.488



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 80.860, 123.961



87, 102.246, 125.195



66, 91.415, 135.645



39, 5.993, 125.577



59, 74.069, 124.722



10, 18.634, 130.041

Inverse Universe

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



30, 95.905, 310.454



36, 122.479, 309.941



42, 89.811, 324.546



37, 6.088, 306.466



22, 88.771, 310.253



2, 17.860, 302.189

Previews

White Background



This preview shows how the CIELCh color 69, 80.860, 123.960 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, 80.860, 123.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

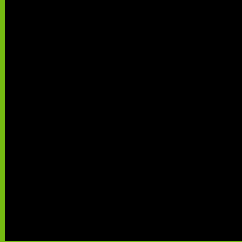
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 80.860, 123.960

Background



This preview shows how black text looks on a background with the CIELCh color 69, 80.860, 123.960.



This preview shows how white text looks on a background with the CIELCh color 69, 80.860, 123.960.

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, 80.860, 123.960

Protanopia

69, 70.609, 95.134

Deuteranopia

69, 64.842, 82.105



Tritanopia
69, 14.551, 230.645

Trichromacy



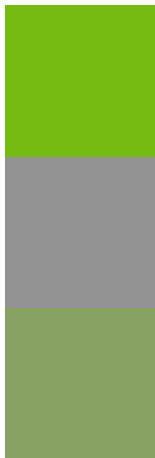
Original Color
69, 80.860, 123.960

Protanomaly
68, 71.897, 107.265

Deuteranomaly
68, 65.758, 100.234

Tritanomaly
68, 34.630, 140.582

Monochromacy



Original Color
69, 80.860, 123.960

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 35.507, 124.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 80.860, 123.960 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(117, 187, 18)` looks like.

```
.text, #text, p{  
    color:rgb(117, 187, 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(117, 187, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 187, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 80.860, 123.960 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(117, 187, 18) }
```

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

```
.border{ border-color:rgb(117, 187, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 187, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 187, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 187, 18);  
box-shadow:4px 4px 4px 4px rgb(117, 187,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 80.860, 123.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 187, 18) }
```

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

```
.background{ background-color: rgb(117,  
187, 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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