

Converting Colors

CIELCh(72, 86.893, 126.065)

Have a look what the booklet for
CIELCh(72, 86.893, 126.065)
contains.

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Color

CIELCh(72, 87.159, 126.169)

Conversions

Conversions Part 1

Format	Color
Hex	70C60B
RGB	112, 198, 11
RGB Percent	44%, 78%, 4%
CMY	0.5623, 0.2250, 0.9568
CMYK	0.44, 0.00, 0.94, 0.22
HSL	88°, 89%, 41%
HSV	88°, 94%, 78%
XYZ	26.8004, 43.6590, 7.3306
YIQ	150.9680, 8.7710, -76.3890

Conversions

Conversions Part 2

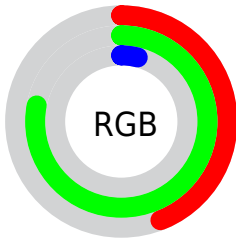
Format	Color
RYB	11, 198, 97
Decimal	7390731
CIELab	72.00, -51.44, 70.36
CIELCh	72, 87.159, 126.169
Yxy	43.6590, 0.3445, 0.5612
Android (android.graphics.Color)	4285580811 (0xFF70C60B)
YUV	150.9680, -69.0042, -34.1749
Hunter-Lab	66.0750, -43.2307, 39.6746

Details

The CIELCh color **72, 87.159, 126.169** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **31, 101.430, 311.271**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 87.143, 126.002**, and **52, 73.861, 131.864** is the 20% darker color. If you saturate the color by 10%, you get **72, 88.963, 126.769**, and if you desaturate by 10%, it is **72, 82.773, 125.318**.

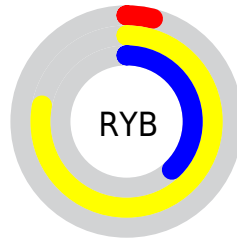
Distribution



Red (44%)

Green (78%)

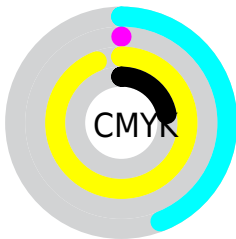
Blue (4%)



Red (4%)

Yellow (78%)

Blue (38%)

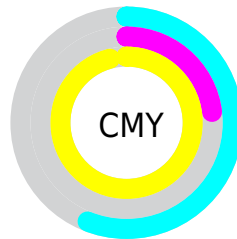


Cyan (44%)

Magenta (0%)

Yellow (94%)

Black (22%)



Cyan (56%)


Magenta (23%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 87.159, 126.169 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 72, 87.159, 126.169 by changing the saturation by 10% instead.

 72, 87.159,
126.169

 72, 87.159,
126.169


 100, 87.159,
126.169

 62, 87.159,
126.169


 92, 87.159,
126.169

 52, 87.159,
126.169

 42, 87.159,
126.169

 32, 87.159,
126.169

 22, 87.159,
126.169

 12, 87.159,
126.169

 2, 87.159, 126.169

■ 0, 87.159, 126.169

■ 72, 87.159,
126.169

■ 72, 87.159,
126.169

■ 72, 88.963,
126.769

■ 72, 82.773,
125.318

■ 73, 76.326,
124.945

■ 74, 68.185,
124.944

■ 74, 58.829,
125.192

■ 75, 48.671,
125.585

■ 76, 38.018,
126.050

■ 77, 27.083,
126.543

■ 78, 16.012,
127.033

■ 79, 4.904, 127.515

Harmonies

Complementary

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



72, 87.159, 126.169



31, 101.430, 311.271

Rectangle

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



72, 87.159, 126.169



72, 87.159, 176.169



72, 87.159, 306.169



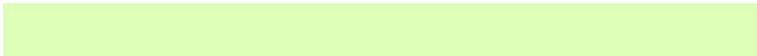
72, 87.159, 356.169

Sweetspot

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



72, 87.159, 126.170



96, 38.130, 126.345



52, 69.132, 57.759



51, 26.274, 126.130



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 87.159, 126.170



90, 108.031, 127.019



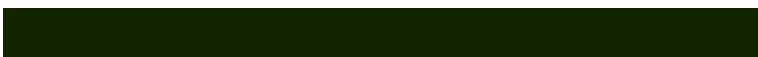
70, 97.254, 135.974



41, 6.321, 127.276



60, 77.022, 126.538



12, 22.548, 129.927

Inverse Universe

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



31, 101.430, 311.271



40, 126.118, 310.826



46, 94.517, 326.310



39, 6.414, 308.118



24, 90.016, 311.150



2, 22.220, 304.538

Previews

White Background



This preview shows how the CIELCh color 72, 87.159, 126.169 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 72, 87.159, 126.169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

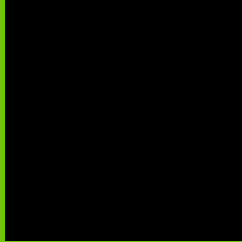
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 87.159, 126.169

Background



This preview shows how black text looks on a background with the CIELCh color 72, 87.159, 126.169.

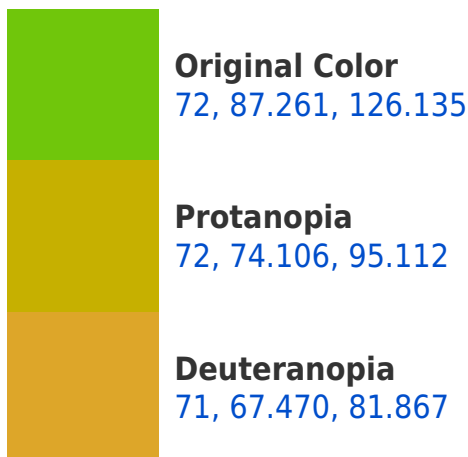


This preview shows how white text looks on a background with the CIELCh color 72, 87.159, 126.169.

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





Tritanopia
72, 17.691, 223.995

Trichromacy



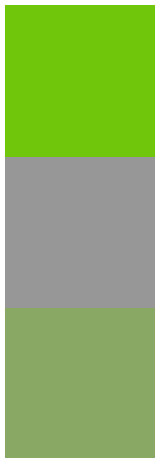
Original Color
72, 87.261, 126.135

Protanomaly
71, 75.864, 108.576

Deuteranomaly
71, 69.312, 102.180

Tritanomaly
71, 39.925, 143.773

Monochromacy



Original Color
72, 87.261, 126.135

Achromatopsia
62, 0.008, 296.813

Achromatomaly
65, 38.956, 125.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 87.159, 126.169 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(112, 198, 11)` looks like.

```
.text, #text, p{  
    color:rgb(112, 198, 11)  
}
```

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(112, 198, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 198, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 87.159, 126.169 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(112, 198, 11) }
```

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

```
.border{ border-color:rgb(112, 198, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 198, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 198, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 198, 11);  
box-shadow:4px 4px 4px 4px rgb(112, 198,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 87.159, 126.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 198, 11) }
```

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

```
.background{ background-color: rgb(112,  
198, 11) }
```

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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