

Converting Colors

CIELCh(72, 85.333, 128.282)

Have a look what the booklet for
CIELCh(72, 85.333, 128.282)
contains.

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Color

CIELCh(72, 85.333, 128.282)

Conversions

Conversions Part 1

Format	Color
Hex	6AC61E
RGB	106, 198, 30
RGB Percent	42%, 78%, 12%
CMY	0.5834, 0.2227, 0.8811
CMYK	0.46, 0.00, 0.85, 0.22
HSL	93°, 73%, 45%
HSV	93°, 85%, 78%
XYZ	26.4517, 43.6590, 8.2821
YIQ	151.3400, -0.9040, -71.7520

Conversions

Conversions Part 2

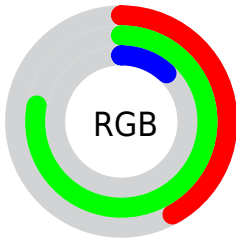
Format	Color
R_{YB}	30, 198, 122
Decimal	6997534
CIE _{Lab}	72.00, -52.87, 66.98
CIE _{LCh}	72, 85.333, 128.282
Yxy	43.6590, 0.3374, 0.5569
Android (android.graphics.Color)	4285187614 (0xFF6AC61E)
YUV	151.3400, -59.8206, -39.7632
Hunter-Lab	66.0750, -44.1726, 38.8209

Details

The CIELCh color **72, 85.333, 128.282** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **36, 94.667, 313.752**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 84.924, 128.236**, and **52, 74.868, 133.002** is the 20% darker color. If you saturate the color by 10%, you get **72, 89.883, 129.090**, and if you desaturate by 10%, it is **73, 78.682, 127.948**.

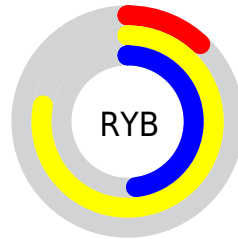
Distribution



Red (42%)

Green (78%)

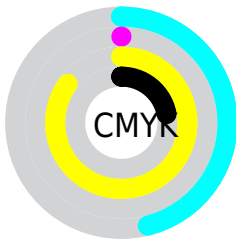
Blue (12%)



Red (12%)

Yellow (78%)

Blue (48%)

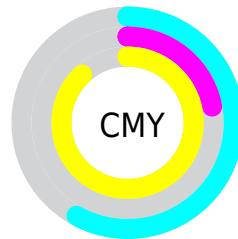


Cyan (46%)

Magenta (0%)

Yellow (85%)

Black (22%)



Cyan (58%)


Magenta (22%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 85.333, 128.282 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, 85.333, 128.282 by changing the saturation by 10% instead.


 72, 85.333,
128.282

 72, 85.333,
128.282


 100, 85.333,
128.282


 62, 85.333,
128.282


 92, 85.333,
128.282

 52, 85.333,
128.282

 42, 85.333,
128.282

 32, 85.333,
128.282

 22, 85.333,
128.282

 12, 85.333,
128.282

 2, 85.333, 128.282

■ 0, 85.333, 128.282

■ 72, 85.333,
128.282

■ 72, 85.333,
128.282

■ 72, 89.883,
129.090

■ 73, 78.682,
127.948

■ 71, 91.692,
129.617

■ 73, 70.302,
127.981

■ 74, 60.677,
128.254

■ 75, 50.232,
128.663

■ 76, 39.283,
129.133

■ 77, 28.052,
129.618

■ 78, 16.696,
130.093

■ 79, 5.323, 130.553

■ 81, 5.990, 310.914

Harmonies

Complementary

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



72, 85.333, 128.282



36, 94.667, 313.752

Rectangle

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



72, 85.333, 128.282



72, 85.333, 178.282



72, 85.333, 308.282



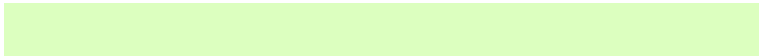
72, 85.333, 358.282

Sweetspot

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



72, 85.333, 128.283



96, 34.826, 129.586



58, 62.257, 67.015



51, 23.741, 129.413



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, 85.333, 128.283



89, 111.119, 129.855



70, 93.070, 137.259



41, 6.449, 130.337



60, 79.188, 129.391



12, 23.276, 133.134

Inverse Universe

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



36, 94.667, 313.752



42, 123.742, 312.820



48, 89.413, 329.293



39, 6.529, 311.114



26, 88.364, 313.147



2, 22.581, 307.708

Previews

White Background



This preview shows how the CIELCh color 72, 85.333, 128.282 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, 85.333, 128.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

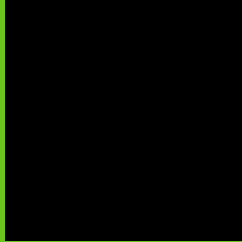
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 85.333, 128.282

Background



This preview shows how black text looks on a background with the CIELCh color 72, 85.333, 128.282.

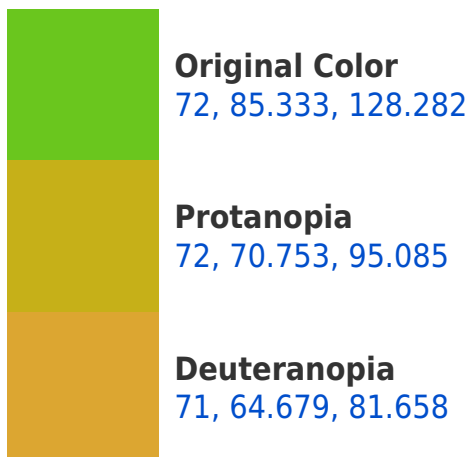


This preview shows how white text looks on a background with the CIELCh color 72, 85.333, 128.282.

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, 18.917, 223.997

Trichromacy



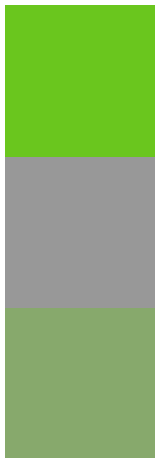
Original Color
72, 85.333, 128.282

Protanomaly
71, 72.794, 109.775

Deuteranomaly
71, 65.974, 103.220

Tritanomaly
71, 37.376, 149.069

Monochromacy



Original Color
72, 85.333, 128.282

Achromatopsia
63, 0.008, 296.813

Achromatomaly
65, 35.957, 129.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 85.333, 128.282 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(106, 198, 30)` looks like.

```
.text, #text, p{  
    color:rgb(106, 198, 30)  
}
```

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(106, 198, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 198, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 85.333, 128.282 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(106, 198, 30) }
```

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

```
.border{ border-color:rgb(106, 198, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 198, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 198, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 198, 30);  
box-shadow:4px 4px 4px 4px rgb(106, 198,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 85.333, 128.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 198, 30) }
```

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

```
.background{ background-color: rgb(106,  
198, 30) }
```

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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