

Converting Colors

CIELCh(68, 71.121, 129.219)

Have a look what the booklet for
CIELCh(68, 71.121, 129.219)
contains.

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Color

CIELCh(68, 71.042, 129.140)

Conversions

Conversions Part 1

Format	Color
Hex	6DB838
RGB	109, 184, 56
RGB Percent	43%, 72%, 22%
CMY	0.5713, 0.2772, 0.7791
CMYK	0.41, 0.00, 0.69, 0.28
HSL	95°, 53%, 47%
HSV	95°, 69%, 72%
XYZ	24.2736, 37.9720, 9.8319
YIQ	146.9830, -3.6120, -55.7080

Conversions

Conversions Part 2

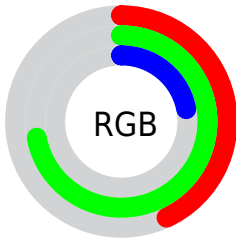
Format	Color
RYB	56, 184, 131
Decimal	7190584
CIELab	68.00, -44.84, 55.10
CIELCh	68, 71.042, 129.140
Yxy	37.9720, 0.3368, 0.5268
Android (android.graphics.Color)	4285380664 (0xFF6DB838)
YUV	146.9830, -44.8546, -33.3111
Hunter-Lab	61.6215, -37.5237, 33.6751

Details

The CIELCh color **68, 71.042, 129.140** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **40, 76.745, 314.842**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 71.286, 129.311**, and **48, 67.888, 130.516** is the 20% darker color. If you saturate the color by 10%, you get **67, 78.374, 129.213**, and if you desaturate by 10%, it is **69, 62.330, 129.354**.

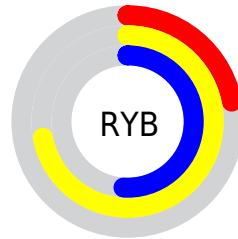
Distribution



Red (43%)

Green (72%)

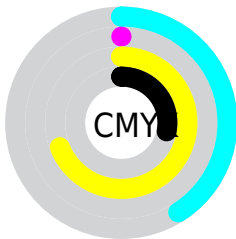
Blue (22%)



Red (22%)

Yellow (72%)

Blue (51%)

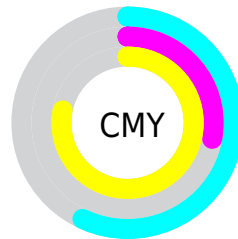


Cyan (41%)

Magenta (0%)

Yellow (69%)

Black (28%)



Cyan (57%)

Magenta (28%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 71.042, 129.140 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 68, 71.042, 129.140 by changing the saturation by 10% instead.


 68, 71.042,
129.140


 68, 71.042,
129.140


 100, 71.042,
129.140


 58, 71.042,
129.140


 88, 71.042,
129.140

 48, 71.042,
129.140

 98, 71.042,
129.140

 38, 71.042,
129.140

 28, 71.042,
129.140

 18, 71.042,
129.140

 8, 71.042, 129.140

 0, 71.042, 129.140

■ 68, 71.042,
129.140

■ 68, 71.042,
129.140

■ 67, 78.374,
129.213

■ 69, 62.330,
129.354

■ 67, 83.884,
129.693

■ 69, 52.674,
129.735

■ 67, 87.586,
130.555

■ 70, 42.418,
130.199

■ 66, 87.776,
130.599

■ 71, 31.811,
130.688

■ 72, 21.028,
131.170

■ 74, 10.193,
131.631

■ 75, 0.607, 311.809

■ 76, 11.309,
312.401

■ 78, 21.870,
312.744

Harmonies

Complementary

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



68, 71.042, 129.140



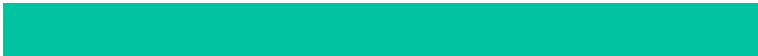
40, 76.745, 314.842

Rectangle

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



68, 71.042, 129.140



68, 71.042, 179.140



68, 71.042, 309.140



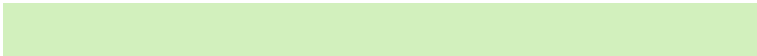
68, 71.042, 359.140

Sweetspot

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



68, 71.042, 129.141



91, 28.116, 131.080



59, 48.936, 74.340



48, 19.016, 130.949



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 71.042, 129.141



85, 99.055, 129.392



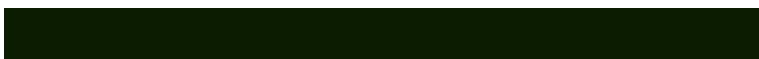
66, 75.353, 140.154



38, 6.095, 131.636



57, 77.263, 130.397



8, 17.230, 135.579

Inverse Universe

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



40, 76.745, 314.842



46, 108.088, 314.795



47, 73.434, 330.567



36, 6.163, 312.388



26, 84.591, 314.173



2, 16.209, 307.907

Previews

White Background



This preview shows how the CIELCh color 68, 71.042, 129.140 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 68, 71.042, 129.140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

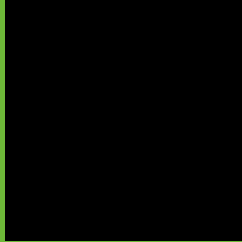
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 71.042, 129.140

Background



This preview shows how black text looks on a background with the CIELCh color 68, 71.042, 129.140.



This preview shows how white text looks on a background with the CIELCh color 68, 71.042, 129.140.

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
68, 71.042, 129.140

Protanopia
68, 58.714, 95.179

Deuteranopia
68, 53.539, 80.839



Tritanopia
68, 16.172, 227.066

Trichromacy



Original Color
68, 71.042, 129.140



Protanomaly
67, 60.287, 110.349



Deuteranomaly
67, 54.262, 103.076

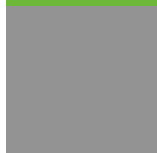


Tritanomaly
67, 28.878, 152.408

Monochromacy



Original Color
68, 71.042, 129.140



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 28.328, 131.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 71.042, 129.140 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(109, 184, 56)` looks like.

```
.text, #text, p{  
    color:rgb(109, 184, 56)  
}
```

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(109, 184, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 184, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 71.042, 129.140 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(109, 184, 56) }
```

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

```
.border{ border-color:rgb(109, 184, 56) }
```

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

Here you see how a box with a 4 pixel rgb(109, 184, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 184, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 184, 56);  
box-shadow:4px 4px 4px 4px rgb(109, 184,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 71.042, 129.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 184, 56) }
```

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

```
.background{ background-color: rgb(109,  
184, 56) }
```

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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