

Converting Colors

CIELCh(71, 84.841, 136.955)

Have a look what the booklet for
CIELCh(71, 84.841, 136.955)
contains.

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Color

CIELCh(71, 84.841, 136.955)

Conversions

Conversions Part 1

Format	Color
Hex	42C738
RGB	66, 199, 56
RGB Percent	26%, 78%, 22%
CMY	0.7422, 0.2204, 0.7812
CMYK	0.67, 0.00, 0.72, 0.22
HSL	116°, 56%, 50%
HSV	116°, 72%, 78%
XYZ	23.3157, 42.1875, 10.6293
YIQ	142.9310, -33.3650, -72.6690

Conversions

Conversions Part 2

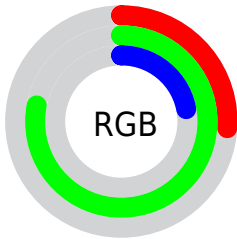
Format	Color
RYB	56, 199, 189
Decimal	4376376
CIELab	71.00, -62.00, 57.91
CIElCh	71, 84.841, 136.955
Yxy	42.1875, 0.3063, 0.5541
Android (android.graphics.Color)	4282566456 (0xFF42C738)
YUV	142.9310, -42.8570, -67.4685
Hunter-Lab	64.9519, -49.5900, 35.7636

Details

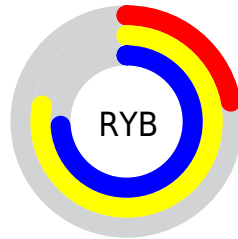
The CIELCh color **71, 84.841, 136.955** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **49, 84.018, 325.551**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 83.960, 136.981**, and **52, 78.257, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **71, 92.041, 136.262**, and if you desaturate by 10%, it is **72, 75.608, 137.837**.

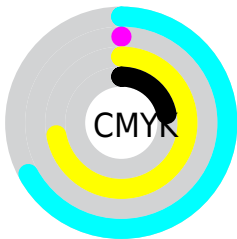
Distribution



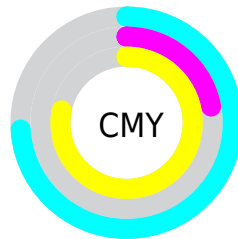
- Red (26%)
- Green (78%)
- Blue (22%)



- Red (22%)
- Yellow (78%)
- Blue (74%)



- Cyan (67%)
- Magenta (0%)
- Yellow (72%)
- Black (22%)





- Cyan (74%)
- Magenta (22%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 84.841, 136.955 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 71, 84.841, 136.955 by changing the saturation by 10% instead.


 71, 84.841,
136.955


 71, 84.841,
136.955


 100, 84.841,
136.955


 61, 84.841,
136.955


 91, 84.841,
136.955

 51, 84.841,
136.955

 41, 84.841,
136.955

 31, 84.841,
136.955

 21, 84.841,
136.955

 11, 84.841,
136.955

 1, 84.841, 136.955

■ 0, 84.841, 136.955

■ 71, 84.841,
136.955

■ 71, 84.841,
136.955

■ 71, 92.041,
136.262

■ 72, 75.608,
137.837

■ 70, 96.760,
135.885

■ 73, 64.873,
138.778

■ 70, 98.934,
135.745

■ 74, 53.115,
139.693

■ 75, 40.723,
140.532

■ 76, 28.001,
141.277

■ 78, 15.180,
141.929

■ 80, 2.434, 142.565

■ 82, 10.116,
322.913

■ 84, 22.386,
323.325

Harmonies

Complementary

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



71, 84.841, 136.955



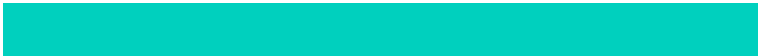
49, 84.018, 325.551

Rectangle

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



71, 84.841, 136.955



71, 84.841, 186.955



71, 84.841, 316.955



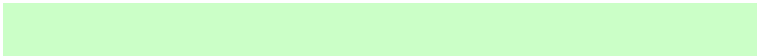
71, 84.841, 6.955

Sweetspot

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



71, 84.841, 136.956



95, 34.379, 141.250



75, 64.896, 99.298



50, 23.103, 141.053



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 84.841, 136.956



88, 114.448, 136.015



71, 64.153, 150.927



41, 7.206, 142.083



58, 85.380, 135.680



11, 26.083, 142.264

Inverse Universe

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



49, 84.018, 325.551



59, 112.041, 325.649



48, 64.525, 347.433



39, 7.226, 323.012



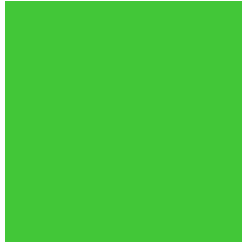
37, 83.092, 325.542



4, 25.952, 324.196

Previews

White Background



This preview shows how the CIELCh color 71, 84.841, 136.955 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 71, 84.841, 136.955 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 71, 84.841, 136.955

Background



This preview shows how black text looks on a background with the CIELCh color 71, 84.841, 136.955.



This preview shows how white text looks on a background with the CIELCh color 71, 84.841, 136.955.

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
71, 84.841, 136.955

Protanopia
70, 62.521, 95.602

Deuteranopia
70, 55.409, 80.860



Tritanopia
71, 26.443, 215.805

Trichromacy



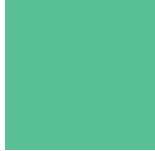
Original Color
71, 84.841, 136.955



Protanomaly
69, 66.416, 116.952



Deuteranomaly
69, 58.050, 111.734



Tritanomaly
71, 41.949, 162.243

Monochromacy



Original Color
71, 84.841, 136.955



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 34.534, 140.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 84.841, 136.955 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(66, 199, 56)` looks like.

```
.text, #text, p{  
    color:rgb(66, 199, 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(66, 199, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 199, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 84.841, 136.955 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(66, 199, 56) }
```

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

```
.border{ border-color:rgb(66, 199, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 199, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 199, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 199, 56);  
box-shadow:4px 4px 4px 4px rgb(66, 199,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 84.841, 136.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 199, 56) }
```

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

```
.background{ background-color: rgb(66, 199,  
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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