

Converting Colors

CIELCh(71, 68.765, 147.004)

Have a look what the booklet for
CIELCh(71, 68.765, 147.004)
contains.

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Color

CIELCh(71, 68.765, 147.004)

Conversions

Conversions Part 1

Format	Color
Hex	3AC666
RGB	58, 198, 102
RGB Percent	23%, 78%, 40%
CMY	0.7732, 0.2240, 0.6004
CMYK	0.71, 0.00, 0.49, 0.22
HSL	139°, 55%, 50%
HSV	139°, 71%, 78%
XYZ	24.2966, 42.1875, 19.4057
YIQ	145.1960, -52.6240, -59.5360

Conversions

Conversions Part 2

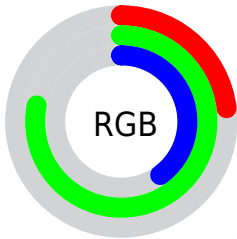
Format	Color
RYB	58, 165, 198
Decimal	3851878
CIELab	71.00, -57.67, 37.45
CIELCh	71, 68.765, 147.004
Yxy	42.1875, 0.2829, 0.4912
Android (android.graphics.Color)	4282041958 (0xFF3AC666)
YUV	145.1960, -21.2956, -76.4709
Hunter-Lab	64.9519, -46.8941, 27.7523

Details

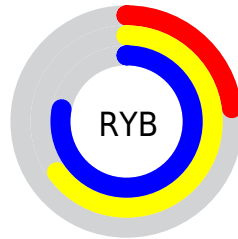
The CIELCh color **71, 68.765, 147.004** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **49, 67.484, 341.161**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 68.118, 147.173**, and **52, 64.989, 143.744** is the 20% darker color. If you saturate the color by 10%, you get **70, 75.990, 145.214**, and if you desaturate by 10%, it is **72, 60.571, 148.615**.

Distribution



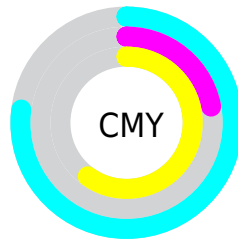
- Red (23%)
- Green (78%)
- Blue (40%)



- Red (23%)
- Yellow (65%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (49%)
- Black (22%)





- Cyan (77%)
- Magenta (22%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 68.765, 147.004 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, 68.765, 147.004 by changing the saturation by 10% instead.


 71, 68.765,
147.004


 71, 68.765,
147.004


 100, 68.765,
147.004


 61, 68.765,
147.004


 91, 68.765,
147.004

 51, 68.765,
147.004

 41, 68.765,
147.004

 31, 68.765,
147.004

 21, 68.765,
147.004

 11, 68.765,
147.004

 1, 68.765, 147.004

0, 68.765, 147.004

71, 68.765,
147.004

71, 68.765,
147.004

70, 75.990,
145.214

72, 60.571,
148.615

70, 82.141,
143.281

73, 51.562,
150.038

70, 86.913,
141.496

74, 41.927,
151.282

75, 31.860,
152.364

76, 21.546,
153.308

78, 11.144,
154.142

■ 80, 0.784, 155.263

■ 82, 9.435, 335.426

■ 84, 19.440,
336.008

Harmonies

Complementary

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



71, 68.765, 147.004



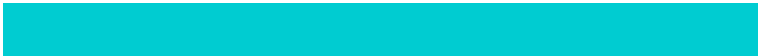
49, 67.484, 341.161

Rectangle

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



71, 68.765, 147.004



71, 68.765, 197.004



71, 68.765, 327.004



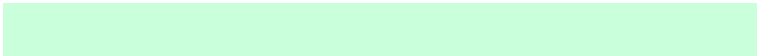
71, 68.765, 17.004

Sweetspot

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



71, 68.766, 147.004



96, 26.766, 153.260



75, 70.605, 118.415



50, 18.113, 153.006



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, 68.766, 147.004



88, 96.242, 144.162



72, 43.615, 175.601



41, 5.889, 154.251



59, 74.807, 141.801



11, 22.727, 149.776

Inverse Universe

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



49, 67.484, 341.161



58, 89.610, 343.450



47, 59.139, 16.090



39, 5.921, 335.492



36, 65.622, 345.754



4, 20.314, 341.475

Previews

White Background



This preview shows how the CIE LCh color 71, 68.765, 147.004 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, 68.765, 147.004 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, 68.765, 147.004

Background



This preview shows how black text looks on a background with the CIELCh color 71, 68.765, 147.004.

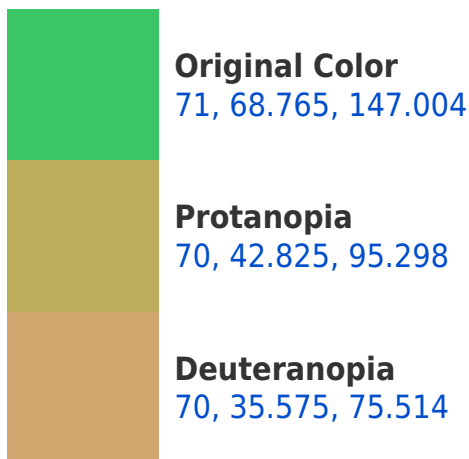


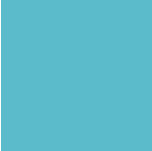
This preview shows how white text looks on a background with the CIELCh color 71, 68.765, 147.004.

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
71, 28.765, 214.123

Trichromacy



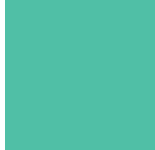
Original Color
71, 68.765, 147.004



Protanomaly
69, 47.747, 125.410



Deuteranomaly
69, 38.733, 121.282



Tritanomaly
71, 37.825, 175.216

Monochromacy



Original Color
71, 68.765, 147.004



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 27.652, 152.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 68.765, 147.004 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(58, 198, 102)` looks like.

```
.text, #text, p{  
    color:rgb(58, 198, 102)  
}
```

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(58, 198, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 198, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 68.765, 147.004 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(58, 198, 102) }
```

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

```
.border{ border-color:rgb(58, 198, 102) }
```

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

Here you see how a box with a 4 pixel rgb(58, 198, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 198, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 198, 102);  
box-shadow:4px 4px 4px 4px rgb(58, 198,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 68.765, 147.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 198, 102) }
```

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

```
.background{ background-color: rgb(58, 198,  
102) }
```

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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