

# Converting Colors

CIELCh(71, 69.680, 141.653)

Have a look what the booklet for  
CIELCh(71, 69.680, 141.653)  
contains.

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**Color**

**CIELCh(71, 70.053, 141.622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4FC55A
RGB	79, 197, 90
RGB Percent	31%, 77%, 35%
CMY	0.6914, 0.2285, 0.6481
CMYK	0.60, 0.00, 0.54, 0.23
HSL	126°, 50%, 54%
HSV	126°, 60%, 77%
XYZ	24.9354, 42.1875, 16.4443
YIQ	149.5200, -35.9810, -58.2930

# Conversions

## Conversions Part 2

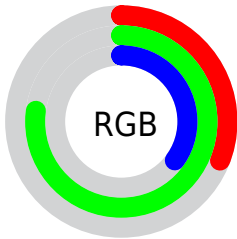
Format	Color
<a href="#">RYB</a>	<a href="#">79, 187, 197</a>
Decimal	<a href="#">5227866</a>
CIELab	<a href="#">71.00, -54.92, 43.49</a>
CIELCh	<a href="#">71, 70.053, 141.622</a>
Yxy	<a href="#">42.1875, 0.2984, 0.5048</a>
Android (android.graphics.Color)	<a href="#">4283417946 (0xFF4FC55A)</a>
YUV	<a href="#">149.5200, -29.3434, -61.8460</a>
Hunter-Lab	<a href="#">64.9519, -45.1386, 30.4555</a>

# Details

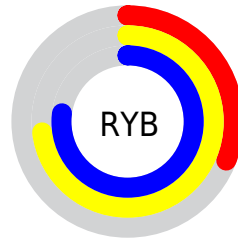
The CIELCh color **71, 70.053, 141.622** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **53, 69.039, 330.484**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 70.022, 141.675**, and **51, 69.073, 140.838** is the 20% darker color. If you saturate the color by 10%, you get **70, 79.349, 140.299**, and if you desaturate by 10%, it is **72, 59.572, 142.856**.

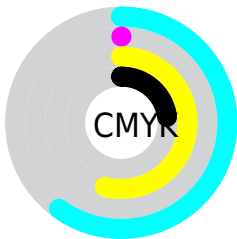
# Distribution



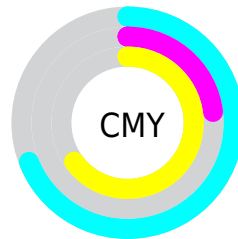
- Red (31%)
- Green (77%)
- Blue (35%)



- Red (31%)
- Yellow (73%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (54%)
- Black (23%)




- Cyan (69%)
- Magenta (23%)
- Yellow (65%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 70.053, 141.622 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, 70.053, 141.622 by changing the saturation by 10% instead.





 71, 70.053,  
141.622


 71, 70.053,  
141.622


 100, 70.053,  
141.622


 61, 70.053,  
141.622


 91, 70.053,  
141.622

 51, 70.053,  
141.622

 41, 70.053,  
141.622

 31, 70.053,  
141.622

 21, 70.053,  
141.622

 11, 70.053,  
141.622

 1, 70.053, 141.622

0, 70.053, 141.622

71, 70.053,  
141.622

71, 70.053,  
141.622

70, 79.349,  
140.299

72, 59.572,  
142.856

70, 87.090,  
138.962

73, 48.250,  
143.963

70, 92.925,  
137.729

74, 36.395,  
144.932

69, 96.688,  
136.792

76, 24.270,  
145.770

78, 12.082,  
146.495

79, 0.009, 296.204

■ 81, 11.885,  
327.579

■ 84, 23.470,  
328.036

■ 86, 34.571,  
328.056

# Harmonies

# Complementary

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



71, 70.053, 141.622



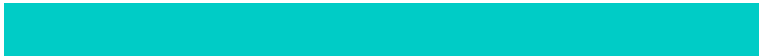
53, 69.039, 330.484

# Rectangle

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



71, 70.053, 141.622



71, 70.053, 191.622



71, 70.053, 321.622



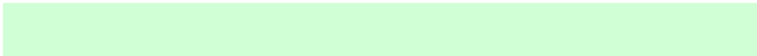
71, 70.053, 11.622

# Sweetspot

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



71, 70.054, 141.622



96, 26.952, 145.902



77, 59.642, 108.701



51, 18.741, 145.673



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, 70.054, 141.622



89, 99.617, 139.879



72, 47.202, 161.514



41, 6.910, 146.536



58, 83.886, 136.934



11, 25.421, 145.230



# Inverse Universe

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



53, 69.039, 330.484



63, 96.383, 331.142



51, 51.959, 356.310



39, 6.924, 327.593



38, 76.948, 332.309



4, 24.665, 330.325



# Previews

## White Background



This preview shows how the CIELCh color 71, 70.053, 141.622 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, 70.053, 141.622 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, 70.053, 141.622

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 70.053, 141.622.

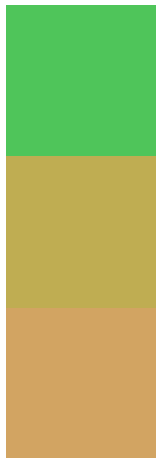


This preview shows how white text looks on a background with the CIELCh color 71, 70.053, 141.622.

# 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, 70.053, 141.622

### Protanopia

71, 48.563, 95.887

### Deuteranopia

70, 41.487, 77.243





**Tritanopia**  
71, 25.088, 216.929

# Trichromacy



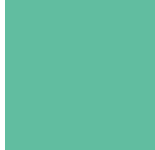
**Original Color**  
71, 70.053, 141.622



**Protanomaly**  
70, 52.321, 120.116



**Deuteranomaly**  
69, 43.318, 113.735



**Tritanomaly**  
71, 35.014, 169.704

# Monochromacy



**Original Color**  
71, 70.053, 141.622



**Achromatopsia**  
62, 0.008, 296.813



**Achromatomaly**  
64, 27.399, 145.298

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 70.053, 141.622 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(79, 197, 90)` looks like.

```
.text, #text, p{  
    color:rgb(79, 197, 90)  
}
```

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(79, 197, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 197, 90) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 70.053, 141.622 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(79, 197, 90) }
```

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

```
.border{ border-color:rgb(79, 197, 90) }
```

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

Here you see how a box with a 4 pixel rgb(79, 197, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 197, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 197, 90);  
box-shadow:4px 4px 4px 4px rgb(79, 197,  
90) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 70.053, 141.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 197, 90) }
```

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

```
.background{ background-color: rgb(79, 197,  
90) }
```

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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