

Converting Colors

CIELCh(71, 51.752, 133.527)

Have a look what the booklet for
CIELCh(71, 51.752, 133.527)
contains.

CIELCh(71, 51.355, 133.387)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 51.355, 133.387)

Conversions

Conversions Part 1

Format	Color
Hex	81BD67
RGB	129, 189, 103
RGB Percent	51%, 74%, 40%
CMY	0.4931, 0.2577, 0.5951
CMYK	0.32, 0.00, 0.45, 0.26
HSL	102°, 40%, 57%
HSV	102°, 45%, 74%
XYZ	29.8129, 42.1875, 19.4714
YIQ	161.2560, -8.1540, -39.4660

Conversions

Conversions Part 2

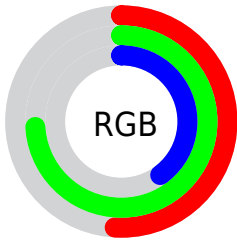
Format	Color
RYB	103, 189, 163
Decimal	8502631
CIELab	71.00, -35.28, 37.32
CIELCh	71, 51.355, 133.387
Yxy	42.1875, 0.3259, 0.4612
Android (android.graphics.Color)	4286692711 (0xFF81BD67)
YUV	161.2560, -28.7202, -28.2885
Hunter-Lab	64.9519, -31.7345, 27.6923

Details

The CIELCh color **71, 51.355, 133.387** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **53, 53.101, 317.564**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 51.774, 133.329**, and **51, 51.396, 133.285** is the 20% darker color. If you saturate the color by 10%, you get **70, 61.837, 132.862**, and if you desaturate by 10%, it is **72, 40.339, 133.942**.

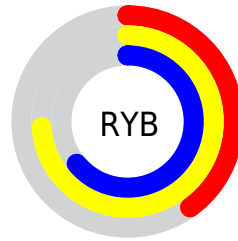
Distribution



Red (51%)

Green (74%)

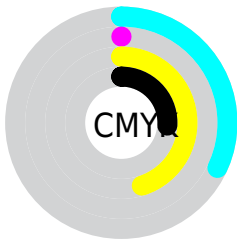
Blue (40%)



Red (40%)

Yellow (74%)

Blue (64%)

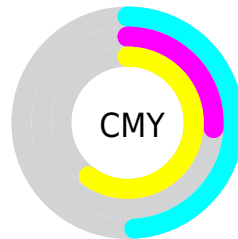


Cyan (32%)

Magenta (0%)

Yellow (45%)

Black (26%)



Cyan (49%)


Magenta (26%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 51.355, 133.387 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, 51.355, 133.387 by changing the saturation by 10% instead.


 71, 51.355,
133.387


 71, 51.355,
133.387


 100, 51.355,
133.387


 61, 51.355,
133.387


 91, 51.355,
133.387

 51, 51.355,
133.387

 41, 51.355,
133.387

 31, 51.355,
133.387

 21, 51.355,
133.387

 11, 51.355,
133.387

 1, 51.355, 133.387

■ 0, 51.355, 133.387

■ 71, 51.355,
133.387

■ 71, 51.355,
133.387

■ 70, 61.837,
132.862

■ 72, 40.339,
133.942

■ 69, 71.450,
132.435

■ 73, 29.029,
134.482

■ 69, 79.761,
132.212

■ 74, 17.600,
134.988

■ 68, 86.284,
132.319

■ 76, 6.177, 135.460

■ 68, 90.661,
132.853

■ 77, 5.150, 315.803

■ 68, 92.195,
133.128

■ 79, 16.317,
316.181

■ 81, 27.281,

316.494

■ 83, 38.015,
316.764

■ 84, 40.055,
322.828

Harmonies

Complementary

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



71, 51.355, 133.387



53, 53.101, 317.564

Rectangle

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



71, 51.355, 133.387



71, 51.355, 183.387



71, 51.355, 313.387



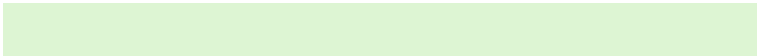
71, 51.355, 3.387

Sweetspot

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



71, 51.356, 133.388



94, 19.650, 135.047



68, 34.254, 86.547



50, 13.569, 134.942



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 51.356, 133.388



88, 75.536, 132.841



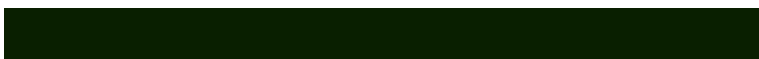
70, 49.562, 146.103



39, 6.426, 135.277



57, 80.525, 132.953



9, 20.149, 138.283

Inverse Universe

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



53, 53.101, 317.564



62, 78.571, 317.913



56, 49.548, 332.867



37, 6.478, 316.029



29, 83.756, 317.401



2, 18.909, 312.449

Previews

White Background



This preview shows how the CIELCh color 71, 51.355, 133.387 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, 51.355, 133.387 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, 51.355, 133.387

Background



This preview shows how black text looks on a background with the CIELCh color 71, 51.355, 133.387.



This preview shows how white text looks on a background with the CIELCh color 71, 51.355, 133.387.

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, 51.355, 133.387

Protanopia

71, 41.221, 95.730

Deuteranopia

71, 36.290, 75.294



Tritanopia
71, 13.975, 231.979

Trichromacy



Original Color
71, 51.355, 133.387

Protanomaly
71, 42.564, 112.241

Deuteranomaly
70, 35.968, 102.454

Tritanomaly
71, 20.652, 160.353

Monochromacy



Original Color
71, 51.355, 133.387

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 19.074, 135.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 51.355, 133.387 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(129, 189, 103)` looks like.

```
.text, #text, p{  
    color:rgb(129, 189, 103)  
}
```

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(129, 189, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 189, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 51.355, 133.387 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(129, 189, 103) }
```

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

```
.border{ border-color:rgb(129, 189, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 189, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 189, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 189, 103);  
box-shadow:4px 4px 4px 4px rgb(129, 189,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 51.355, 133.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 189, 103) }
```

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

```
.background{ background-color: rgb(129,  
189, 103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor