

Converting Colors

CIELCh(70, 56.307, 141.918)

Have a look what the booklet for
CIELCh(70, 56.307, 141.918)
contains.

CIELCh(70, 56.343, 141.893)	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(70, 56.343, 141.893)

Conversions

Conversions Part 1

Format	Color
Hex	65BE69
RGB	101, 190, 105
RGB Percent	40%, 75%, 41%
CMY	0.6029, 0.2538, 0.5873
CMYK	0.47, 0.00, 0.45, 0.25
HSL	123°, 41%, 57%
HSV	123°, 47%, 75%
XYZ	26.4303, 40.7494, 19.9027
YIQ	153.6990, -25.7590, -45.3030

Conversions

Conversions Part 2

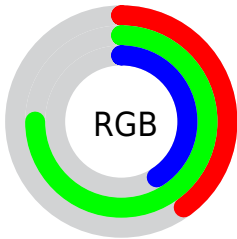
Format	Color
RYB	101, 186, 190
Decimal	6667881
CIELab	70.00, -44.33, 34.77
CIELCh	70, 56.343, 141.893
Yxy	40.7494, 0.3035, 0.4679
Android (android.graphics.Color)	4284857961 (0xFF65BE69)
YUV	153.6990, -24.0086, -46.2170
Hunter-Lab	63.8353, -37.8058, 26.1991

Details

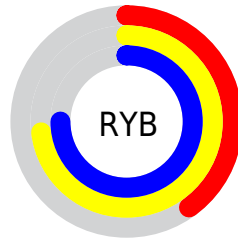
The CIELCh color **70, 56.343, 141.893** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **56, 56.093, 328.201**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 56.489, 141.723**, and **50, 56.325, 142.031** is the 20% darker color. If you saturate the color by 10%, you get **69, 67.128, 140.747**, and if you desaturate by 10%, it is **71, 44.772, 142.926**.

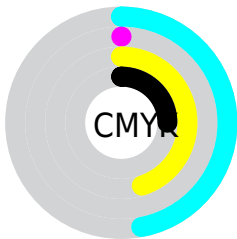
Distribution



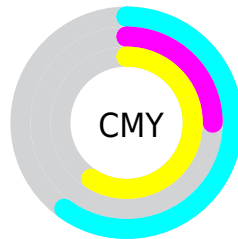
- Red (40%)
- Green (75%)
- Blue (41%)



- Red (40%)
- Yellow (73%)
- Blue (75%)



- Cyan (47%)
- Magenta (0%)
- Yellow (45%)
- Black (25%)





- Cyan (60%)
- Magenta (25%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 56.343, 141.893 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 70, 56.343, 141.893 by changing the saturation by 10% instead.


 70, 56.343,
141.893


 70, 56.343,
141.893


 100, 56.343,
141.893


 60, 56.343,
141.893


 90, 56.343,
141.893

 50, 56.343,
141.893

 40, 56.343,
141.893

 30, 56.343,
141.893

 20, 56.343,
141.893

 10, 56.343,
141.893

 0, 56.343, 141.893

70, 56.343,
141.893

70, 56.343,
141.893

69, 67.128,
140.747

71, 44.772,
142.926

68, 76.746,
139.530

72, 32.731,
143.832

68, 84.778,
138.329

74, 20.481,
144.615

67, 90.799,
137.269

76, 8.224, 145.298

67, 94.524,
136.495

78, 3.890, 325.764

67, 95.294,
136.365

80, 15.758,
326.294

82, 27.310,
326.709

84, 38.508,
327.061

■ 85, 40.588,
325.833

Harmonies

Complementary

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



70, 56.343, 141.893



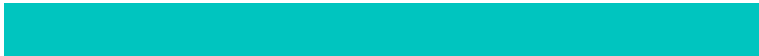
56, 56.093, 328.201

Rectangle

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



70, 56.343, 141.893



70, 56.343, 191.893



70, 56.343, 321.893



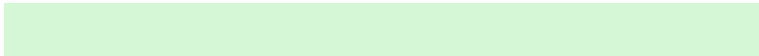
70, 56.343, 11.893

Sweetspot

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



70, 56.344, 141.893



94, 21.128, 144.797



75, 46.381, 107.307



50, 14.719, 144.641



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 56.344, 141.893



88, 81.909, 140.732



71, 38.638, 160.629



39, 6.845, 145.128



57, 82.911, 136.452



9, 21.218, 145.225

Inverse Universe

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



56, 56.093, 328.201



67, 81.052, 328.685



54, 41.164, 350.565



37, 6.857, 326.154



37, 78.098, 330.070



3, 20.570, 327.040

Previews

White Background



This preview shows how the CIELCh color 70, 56.343, 141.893 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 70, 56.343, 141.893 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 70, 56.343, 141.893

Background



This preview shows how black text looks on a background with the CIELCh color 70, 56.343, 141.893.



This preview shows how white text looks on a background with the CIELCh color 70, 56.343, 141.893.

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](#).

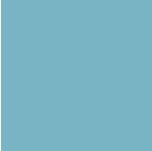
Dichromacy



Original Color
70, 56.343, 141.893

Protanopia
70, 39.325, 95.373

Deuteranopia
70, 33.293, 75.145



Tritanopia
70, 20.735, 221.564

Trichromacy



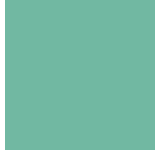
Original Color
70, 56.343, 141.893



Protanomaly
69, 41.383, 118.381



Deuteranomaly
69, 33.939, 110.976



Tritanomaly
70, 27.734, 171.361

Monochromacy



Original Color
70, 56.343, 141.893



Achromatopsia
64, 0.008, 296.813



Achromatomaly
65, 21.244, 144.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 56.343, 141.893 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(101, 190, 105)` looks like.

```
.text, #text, p{  
    color:rgb(101, 190, 105)  
}
```

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(101, 190, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 190, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 56.343, 141.893 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(101, 190, 105) }
```

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

```
.border{ border-color:rgb(101, 190, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 190, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 190, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 190, 105); box-shadow:4px 4px 4px 4px rgb(101, 190, 105) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 56.343, 141.893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 190, 105) }
```

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

```
.background{ background-color: rgb(101,  
190, 105) }
```

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