

Converting Colors

CIELCh(70, 63.658, 150.696)

Have a look what the booklet for
CIELCh(70, 63.658, 150.696)
contains.

CIELCh(70, 63.843, 150.732)	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, 63.843, 150.732)

Conversions

Conversions Part 1

Format	Color
Hex	34C370
RGB	52, 195, 112
RGB Percent	20%, 76%, 44%
CMY	0.7944, 0.2369, 0.5622
CMYK	0.73, 0.00, 0.43, 0.24
HSL	145°, 58%, 48%
HSV	145°, 73%, 76%
XYZ	23.7655, 40.7494, 21.8340
YIQ	142.7810, -58.5850, -56.1290

Conversions

Conversions Part 2

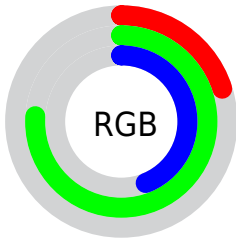
Format	Color
RYB	52, 153, 195
Decimal	3457904
CIELab	70.00, -55.69, 31.21
CIELCh	70, 63.843, 150.732
Yxy	40.7494, 0.2752, 0.4719
Android (android.graphics.Color)	4281647984 (0xFF34C370)
YUV	142.7810, -15.1750, -79.6149
Hunter-Lab	63.8353, -45.2573, 24.4054

Details

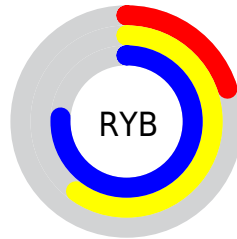
The CIELCh color **70, 63.843, 150.732** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **47, 64.056, 347.608**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 64.033, 150.898**, and **51, 59.206, 147.321** is the 20% darker color. If you saturate the color by 10%, you get **70, 70.161, 148.811**, and if you desaturate by 10%, it is **71, 56.665, 152.450**.

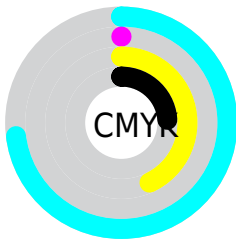
Distribution



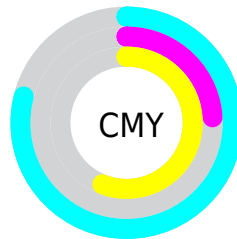
- Red (20%)
- Green (76%)
- Blue (44%)



- Red (20%)
- Yellow (60%)
- Blue (76%)



- Cyan (73%)
- Magenta (0%)
- Yellow (43%)
- Black (24%)





- Cyan (79%)
- Magenta (24%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 63.843, 150.732 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, 63.843, 150.732 by changing the saturation by 10% instead.


 70, 63.843,
150.732


 70, 63.843,
150.732


 100, 63.843,
150.732


 60, 63.843,
150.732


 90, 63.843,
150.732

 50, 63.843,
150.732

 40, 63.843,
150.732

 30, 63.843,
150.732

 20, 63.843,
150.732

 10, 63.843,
150.732

 0, 63.843, 150.732

70, 63.843,
150.732

70, 63.843,
150.732

70, 70.161,
148.811

71, 56.665,
152.450

69, 75.585,
146.710

71, 48.723,
153.966

69, 78.931,
145.236

72, 40.160,
155.297

74, 31.140,
156.463

75, 21.824,
157.491

76, 12.363,
158.406

78, 2.880, 159.307

80, 6.525, 339.842

■ 82, 15.777,
340.524

Harmonies

Complementary

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



70, 63.843, 150.732



47, 64.056, 347.608

Rectangle

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



70, 63.843, 150.732



70, 63.843, 200.732



70, 63.843, 330.732



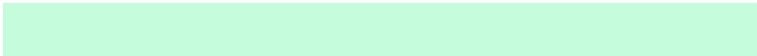
70, 63.843, 20.732

Sweetspot

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



70, 63.844, 150.732



95, 25.730, 157.559



73, 73.125, 122.600



50, 17.416, 157.290



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 63.844, 150.732



88, 89.632, 147.501



71, 40.117, 185.134



40, 5.345, 158.725



58, 67.971, 145.577



10, 19.577, 153.375

Inverse Universe

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



47, 64.056, 347.608



56, 84.861, 351.307



45, 62.133, 24.540



38, 5.392, 340.083



35, 61.543, 353.944



3, 16.674, 347.266

Previews

White Background



This preview shows how the CIELCh color 70, 63.843, 150.732 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, 63.843, 150.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

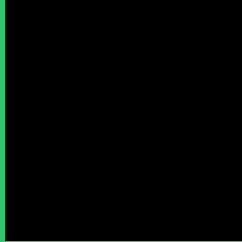
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 63.843, 150.732

Background



This preview shows how black text looks on a background with the CIELCh color 70, 63.843, 150.732.

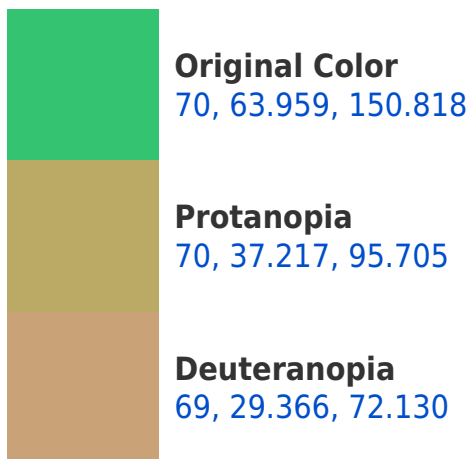


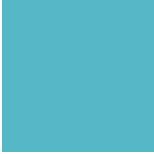
This preview shows how white text looks on a background with the CIELCh color 70, 63.843, 150.732.

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
70, 29.296, 213.808

Trichromacy



Original Color
70, 63.959, 150.818



Protanomaly
68, 42.657, 129.785



Deuteranomaly
68, 33.106, 125.651



Tritanomaly
70, 37.240, 178.384

Monochromacy



Original Color
70, 63.959, 150.818



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 25.931, 156.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 63.843, 150.732 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(52, 195, 112)` looks like.

```
.text, #text, p{  
    color:rgb(52, 195, 112)  
}
```

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(52, 195, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 195, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 63.843, 150.732 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(52, 195, 112) }
```

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

```
.border{ border-color:rgb(52, 195, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 195, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 195, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 195, 112);  
box-shadow:4px 4px 4px 4px rgb(52, 195,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 63.843, 150.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 195, 112) }
```

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

```
.background{ background-color: rgb(52, 195,  
112) }
```

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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