

Converting Colors

CIELCh(70, 55.308, 117.676)

Have a look what the booklet for
CIELCh(70, 55.308, 117.676)
contains.

CIELCh(70, 55.554, 117.678)	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, 55.554, 117.678)

Conversions

Conversions Part 1

Format	Color
Hex	99B64D
RGB	153, 182, 77
RGB Percent	60%, 71%, 30%
CMY	0.4001, 0.2864, 0.6981
CMYK	0.16, 0.00, 0.58, 0.29
HSL	77°, 42%, 51%
HSV	77°, 58%, 71%
XYZ	31.1925, 40.7494, 13.2377
YIQ	161.3590, 16.4210, -38.8030

Conversions

Conversions Part 2

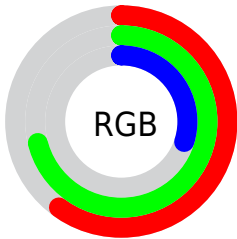
Format	Color
RYB	77, 182, 106
Decimal	10073677
CIELab	70.00, -25.80, 49.20
CIELCh	70, 55.554, 117.678
Yxy	40.7494, 0.3662, 0.4784
Android (android.graphics.Color)	4288263757 (0xFF99B64D)
YUV	161.3590, -41.5890, -7.3308
Hunter-Lab	63.8353, -24.4894, 32.3896

Details

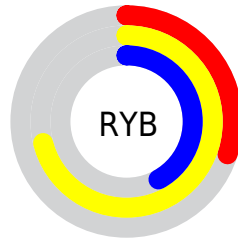
The CIELCh color $70, 55.554, 117.678$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $41, 63.611, 305.624$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 55.795, 117.750$, and $50, 55.554, 117.740$ is the 20% darker color. If you saturate the color by 10%, you get $70, 63.502, 117.404$, and if you desaturate by 10%, it is $71, 46.735, 118.123$.

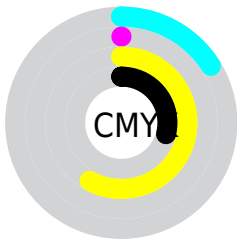
Distribution



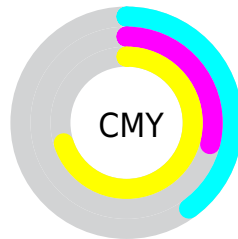
- Red (60%)
- Green (71%)
- Blue (30%)



- Red (30%)
- Yellow (71%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (58%)
- Black (29%)





- Cyan (40%)
- Magenta (29%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 55.554, 117.678 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, 55.554, 117.678 by changing the saturation by 10% instead.


 70, 55.554,
117.678


 70, 55.554,
117.678


 100, 55.554,
117.678


 60, 55.554,
117.678


 90, 55.554,
117.678

 50, 55.554,
117.678

 40, 55.554,
117.678

 30, 55.554,
117.678

 20, 55.554,
117.678

 10, 55.554,
117.678

 0, 55.554, 117.678

70, 55.554,
117.678

70, 55.554,
117.678

70, 63.502,
117.404

71, 46.735,
118.123

69, 70.163,
117.389

71, 37.357,
118.664

69, 75.099,
117.740

72, 27.639,
119.254

68, 78.160,
118.505

73, 17.726,
119.859

68, 78.771,
118.694

73, 7.718, 120.461

74, 2.317, 301.020

75, 12.334,
301.586

76, 22.298,
302.108

■ 77, 32.183,
302.596

Harmonies

Complementary

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



70, 55.554, 117.678



41, 63.611, 305.624

Rectangle

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



70, 55.554, 117.678



70, 55.554, 167.678



70, 55.554, 297.678



70, 55.554, 347.678

Sweetspot

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



70, 55.555, 117.680



92, 21.116, 119.884



52, 40.294, 45.925



49, 14.231, 119.763



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 55.555, 117.680



88, 79.611, 117.372



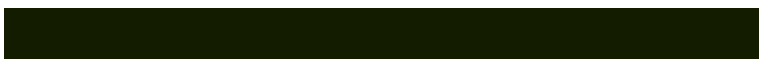
67, 63.362, 134.596



39, 5.721, 120.362



59, 70.086, 118.527



9, 15.938, 124.719

Inverse Universe

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



41, 63.611, 305.624



45, 94.759, 306.815



47, 65.032, 320.099



36, 5.830, 301.473



20, 89.984, 308.145



1, 15.563, 298.238

Previews

White Background



This preview shows how the CIELCh color 70, 55.554, 117.678 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, 55.554, 117.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

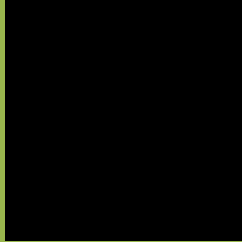
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 55.554, 117.678

Background



This preview shows how black text looks on a background with the CIELCh color 70, 55.554, 117.678.

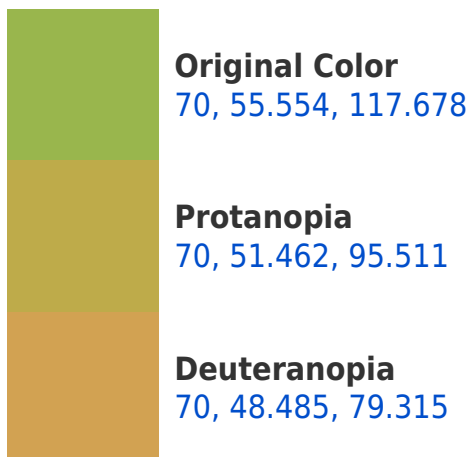


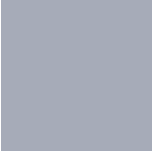
This preview shows how white text looks on a background with the CIELCh color 70, 55.554, 117.678.

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, 7.314, 276.568

Trichromacy



Original Color
70, 55.554, 117.678

Protanomaly
70, 51.940, 103.942

Deuteranomaly
69, 47.915, 94.635

Tritanomaly
70, 17.251, 127.116

Monochromacy



Original Color
70, 55.554, 117.678

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 21.745, 119.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 55.554, 117.678 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(153, 182, 77)` looks like.

```
.text, #text, p{  
    color:rgb(153, 182, 77)  
}
```

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(153, 182, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 182, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 55.554, 117.678 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(153, 182, 77) }
```

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

```
.border{ border-color:rgb(153, 182, 77) }
```

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

Here you see how a box with a 4 pixel rgb(153, 182, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 182, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 182, 77);  
box-shadow:4px 4px 4px 4px rgb(153, 182,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 55.554, 117.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 182, 77) }
```

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

```
.background{ background-color: rgb(153,  
182, 77) }
```

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