

Converting Colors

CIELCh(75, 65.133, 117.877)

Have a look what the booklet for
CIELCh(75, 65.133, 117.877)
contains.

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Color

CIELCh(75, 65.255, 118.128)

Conversions

Conversions Part 1

Format	Color
Hex	A1C647
RGB	161, 198, 71
RGB Percent	63%, 78%, 28%
CMY	0.3696, 0.2245, 0.7225
CMYK	0.19, 0.00, 0.64, 0.22
HSL	77°, 53%, 53%
HSV	77°, 64%, 78%
XYZ	35.9147, 48.2781, 13.3460
YIQ	172.4590, 18.7150, -47.3410

Conversions

Conversions Part 2

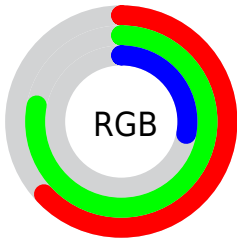
Format	Color
RYB	71, 198, 108
Decimal	10602055
CIELab	75.00, -30.76, 57.55
CIELCh	75, 65.255, 118.128
Yxy	48.2781, 0.3682, 0.4950
Android (android.graphics.Color)	4288792135 (0xFFA1C647)
YUV	172.4590, -50.0193, -10.0495
Hunter-Lab	69.4824, -29.3297, 37.2494

Details

The CIELCh color **75, 65.255, 118.128** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **41, 76.046, 306.672**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 65.361, 118.272**, and **55, 65.197, 118.076** is the 20% darker color. If you saturate the color by 10%, you get **74, 72.902, 118.040**, and if you desaturate by 10%, it is **76, 56.377, 118.455**.

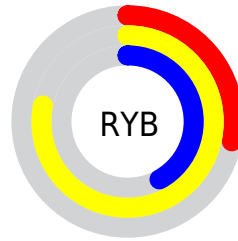
Distribution



Red (63%)

Green (78%)

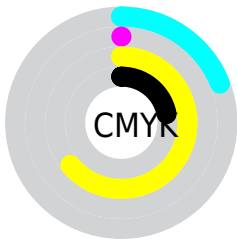
Blue (28%)



Red (28%)

Yellow (78%)

Blue (42%)

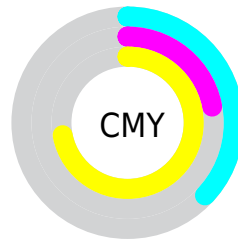


Cyan (19%)

Magenta (0%)

Yellow (64%)

Black (22%)



Cyan (37%)


Magenta (22%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 65.255, 118.128 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 75, 65.255, 118.128 by changing the saturation by 10% instead.


 75, 65.255,
118.128


 75, 65.255,
118.128


 100, 65.255,
118.128


 65, 65.255,
118.128


 95, 65.255,
118.128

 55, 65.255,
118.128

 45, 65.255,
118.128

 35, 65.255,
118.128

 25, 65.255,
118.128

 15, 65.255,
118.128

 5, 65.255, 118.128

■ 0, 65.255, 118.128

■ 75, 65.255,
118.128

■ 75, 65.255,
118.128

■ 74, 72.902,
118.040

■ 76, 56.377,
118.455

■ 74, 78.834,
118.295

■ 76, 46.682,
118.925

■ 74, 82.684,
118.988

■ 77, 36.474,
119.476

■ 73, 84.224,
119.527

■ 78, 25.961,
120.064

■ 78, 15.282,
120.659

■ 79, 4.531, 121.249

■ 80, 6.227, 301.791

■ 81, 16.947,
302.326

■ 82, 27.596,
302.823

Harmonies

Complementary

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



75, 65.255, 118.128



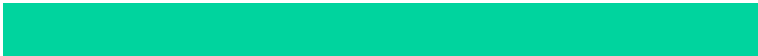
41, 76.046, 306.672

Rectangle

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



75, 65.255, 118.128



75, 65.255, 168.128



75, 65.255, 298.128



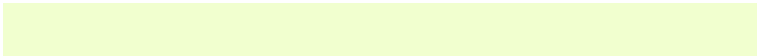
75, 65.255, 348.128

Sweetspot

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



75, 65.256, 118.130



98, 25.076, 120.358



55, 48.798, 47.424



52, 17.243, 120.185



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 65.256, 118.130



93, 91.392, 118.093



72, 74.639, 134.617



42, 6.125, 120.944



62, 72.948, 119.328



12, 21.295, 122.339

Inverse Universe

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



41, 76.046, 306.672



44, 111.114, 307.778



48, 76.341, 320.762



39, 6.241, 302.037



21, 93.026, 308.300



2, 21.796, 299.372

Previews

White Background



This preview shows how the CIELCh color 75, 65.255, 118.128 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 75, 65.255, 118.128 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 75, 65.255, 118.128

Background



This preview shows how black text looks on a background with the CIELCh color 75, 65.255, 118.128.

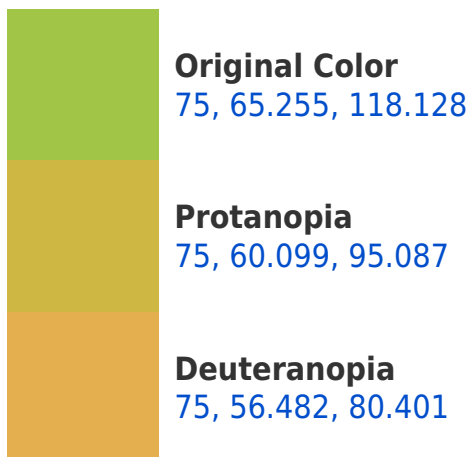


This preview shows how white text looks on a background with the CIELCh color 75, 65.255, 118.128.

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
75, 8.641, 269.298

Trichromacy



Original Color
75, 65.255, 118.128

Protanomaly
75, 60.784, 103.953

Deuteranomaly
74, 56.250, 95.287

Tritanomaly
75, 21.332, 129.616

Monochromacy



Original Color
75, 65.255, 118.128

Achromatopsia
70, 0.009, 296.813

Achromatomaly
72, 25.301, 119.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 65.255, 118.128 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(161, 198, 71)` looks like.

```
.text, #text, p{  
    color:rgb(161, 198, 71)  
}
```

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(161, 198, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 198, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 65.255, 118.128 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(161, 198, 71) }
```

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

```
.border{ border-color:rgb(161, 198, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 198, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 198, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 198, 71);  
box-shadow:4px 4px 4px 4px rgb(161, 198,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 65.255, 118.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 198, 71) }
```

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

```
.background{ background-color: rgb(161,  
198, 71) }
```

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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