

Converting Colors

CIELCh(78, 68.279, 145.311)

Have a look what the booklet for
CIELCh(78, 68.279, 145.311)
contains.

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Color

CIELCh(78, 68.279, 145.311)

Conversions

Conversions Part 1

Format	Color
Hex	5AD975
RGB	90, 217, 117
RGB Percent	35%, 85%, 46%
CMY	0.6461, 0.1482, 0.5404
CMYK	0.58, 0.00, 0.46, 0.15
HSL	133°, 63%, 60%
HSV	133°, 58%, 85%
XYZ	32.3308, 53.2120, 25.4570
YIQ	167.6270, -43.5920, -58.0240

Conversions

Conversions Part 2

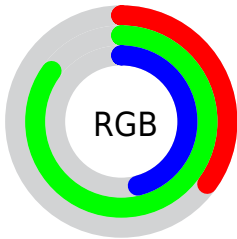
Format	Color
RYB	90, 195, 217
Decimal	5953909
CIELab	78.00, -56.14, 38.86
CIElCh	78, 68.279, 145.311
Yxy	53.2120, 0.2913, 0.4794
Android (android.graphics.Color)	4284143989 (0xFF5AD975)
YUV	167.6270, -24.9591, -68.0789
Hunter-Lab	72.9466, -48.5432, 30.3715

Details

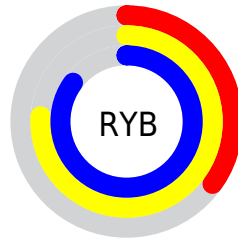
The CIELCh color **78, 68.279, 145.311** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **58, 67.614, 335.016**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 57.114, 146.735**, and **58, 68.407, 145.242** is the 20% darker color. If you saturate the color by 10%, you get **77, 77.983, 143.821**, and if you desaturate by 10%, it is **79, 57.599, 146.639**.

Distribution



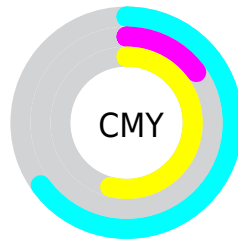
- Red (35%)
- Green (85%)
- Blue (46%)



- Red (35%)
- Yellow (76%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (46%)
- Black (15%)





- Cyan (65%)
- Magenta (15%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 68.279, 145.311 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 78, 68.279, 145.311 by changing the saturation by 10% instead.


 78, 68.279,
145.311


 78, 68.279,
145.311


 100, 68.279,
145.311


 68, 68.279,
145.311


 98, 68.279,
145.311

 58, 68.279,
145.311

 48, 68.279,
145.311

 38, 68.279,
145.311

 28, 68.279,
145.311

 18, 68.279,
145.311

 8, 68.279, 145.311

0, 68.279, 145.311

78, 68.279,
145.311

78, 68.279,
145.311

77, 77.983,
143.821

79, 57.599,
146.639

77, 86.454,
142.197

80, 46.208,
147.800

76, 93.469,
140.502

82, 34.361,
148.808

76, 98.893,
138.866

83, 22.284,
149.679

76, 99.611,
138.647

85, 10.164,
150.443

87, 1.850, 330.876

■ 89, 13.653,
331.592

■ 91, 23.275,
325.910

■ 91, 23.661,
325.248

Harmonies

Complementary

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



78, 68.279, 145.311



58, 67.614, 335.016

Rectangle

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



78, 68.279, 145.311



78, 68.279, 195.311



78, 68.279, 325.311



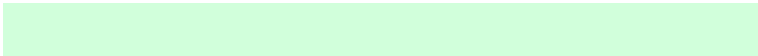
78, 68.279, 15.311

Sweetspot

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



78, 68.280, 145.311



96, 24.749, 149.703



83, 63.957, 114.236



51, 17.207, 149.460



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 68.280, 145.311



89, 90.229, 143.477



79, 44.963, 169.339



45, 6.880, 150.371



62, 83.671, 138.913



15, 30.222, 144.042

Inverse Universe

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



58, 67.614, 335.016



63, 87.451, 336.019



56, 53.412, 4.641



43, 6.903, 331.526



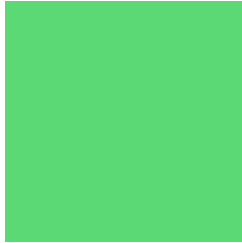
39, 73.496, 338.854



6, 29.761, 336.641

Previews

White Background



This preview shows how the CIELCh color 78, 68.279, 145.311 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 78, 68.279, 145.311 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 78, 68.279, 145.311

Background



This preview shows how black text looks on a background with the CIELCh color 78, 68.279, 145.311.



This preview shows how white text looks on a background with the CIELCh color 78, 68.279, 145.311.

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
78, 68.279, 145.311

Protanopia
77, 44.244, 95.514

Deuteranopia
77, 37.172, 74.834



Tritanopia
78, 27.387, 217.290

Trichromacy



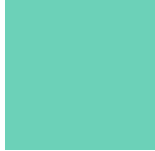
Original Color
78, 68.279, 145.311



Protanomaly
77, 48.845, 122.832



Deuteranomaly
76, 38.901, 116.273



Tritanomaly
77, 35.705, 174.670

Monochromacy



Original Color
78, 68.279, 145.311



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 26.237, 149.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 68.279, 145.311 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(90, 217, 117)` looks like.

```
.text, #text, p{  
    color:rgb(90, 217, 117)  
}
```

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(90, 217, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 217, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 68.279, 145.311 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(90, 217, 117) }
```

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

```
.border{ border-color:rgb(90, 217, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 217, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 217, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 217, 117);  
box-shadow:4px 4px 4px 4px rgb(90, 217,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 68.279, 145.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 217, 117) }
```

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

```
.background{ background-color: rgb(90, 217,  
117) }
```

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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