

# Converting Colors

CIELCh(78, 68.539, 144.884)

Have a look what the booklet for  
CIELCh(78, 68.539, 144.884)  
contains.

<b>CIELCh(78, 68.516, 144.919)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(78, 68.516, 144.919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BD974
RGB	91, 217, 116
RGB Percent	36%, 85%, 45%
CMY	0.6424, 0.1483, 0.5445
CMYK	0.58, 0.00, 0.47, 0.15
HSL	132°, 62%, 60%
HSV	132°, 58%, 85%
XYZ	32.3511, 53.2120, 25.1364
YIQ	167.8120, -42.6750, -58.1230

# Conversions

## Conversions Part 2

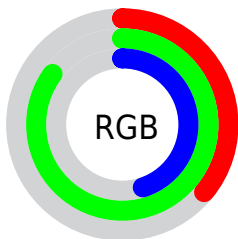
Format	Color
<a href="#">RYB</a>	<a href="#">91, 196, 217</a>
Decimal	<a href="#">6019444</a>
CIELab	<a href="#">78.00, -56.07, 39.38</a>
CIELCh	<a href="#">78, 68.516, 144.919</a>
Yxy	<a href="#">53.2120, 0.2922, 0.4807</a>
Android (android.graphics.Color)	<a href="#">4284209524</a> ( <a href="#">0xFF5BD974</a> )
YUV	<a href="#">167.8120, -25.5433, -67.3641</a>
Hunter-Lab	<a href="#">72.9466, -48.4934, 30.6321</a>

# Details

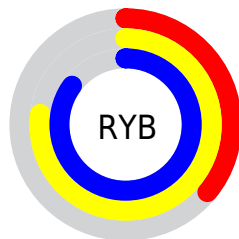
The CIELCh color **78, 68.516, 144.919** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **58, 67.821, 334.388**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 57.317, 146.217**, and **58, 68.632, 144.864** is the 20% darker color. If you saturate the color by 10%, you get **77, 78.349, 143.452**, and if you desaturate by 10%, it is **79, 57.695, 146.229**.

# Distribution



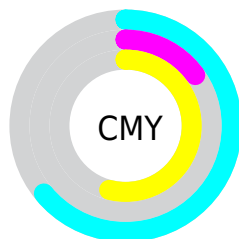
- Red (36%)
- Green (85%)
- Blue (45%)



- Red (36%)
- Yellow (77%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (47%)
- Black (15%)




- Cyan (64%)
- Magenta (15%)
- Yellow (54%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 68.516, 144.919 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, 68.516, 144.919 by changing the saturation by 10% instead.





 78, 68.516,  
144.919


 78, 68.516,  
144.919


 100, 68.516,  
144.919


 68, 68.516,  
144.919


 98, 68.516,  
144.919


 58, 68.516,  
144.919

 48, 68.516,  
144.919

 38, 68.516,  
144.919

 28, 68.516,  
144.919

 18, 68.516,  
144.919

 8, 68.516, 144.919

0, 68.516, 144.919

78, 68.516,  
144.919

78, 68.516,  
144.919

77, 78.349,  
143.452

79, 57.695,  
146.229

77, 86.922,  
141.858

80, 46.161,  
147.376

76, 93.993,  
140.205

82, 34.174,  
148.370

76, 99.398,  
138.619

83, 21.965,  
149.229

76, 100.302,  
138.350

85, 9.723, 149.984

87, 2.405, 330.448

89, 14.312,

331.111

91, 23.689,  
325.249

# Harmonies

# Complementary

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



78, 68.516, 144.919



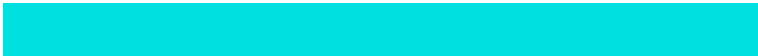
58, 67.821, 334.388

# Rectangle

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



78, 68.516, 144.919



78, 68.516, 194.919



78, 68.516, 324.919



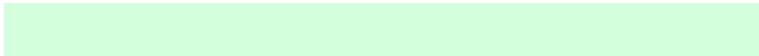
78, 68.516, 14.919

# Sweetspot

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



78, 68.517, 144.919



96, 23.610, 149.298



83, 63.377, 113.495



51, 15.800, 149.135



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, 68.517, 144.919



89, 91.134, 143.044



79, 45.361, 168.218



45, 6.951, 149.880



62, 84.286, 138.604



15, 30.448, 143.759



# Inverse Universe

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



58, 67.821, 334.388



63, 88.276, 335.372



56, 53.169, 3.269



43, 6.973, 331.023



39, 74.263, 337.992



6, 30.057, 335.966



# Previews

## White Background



This preview shows how the CIELCh color 78, 68.516, 144.919 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, 68.516, 144.919 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, 68.516, 144.919**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 78, 68.516, 144.919.

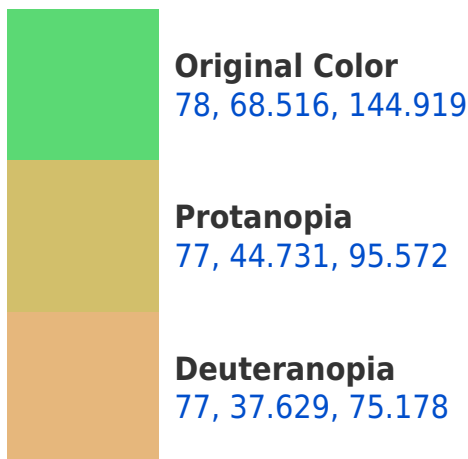


This preview shows how white text looks on a background with the CIELCh color 78, 68.516, 144.919.

# 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**  
78, 27.164, 217.472

# Trichromacy



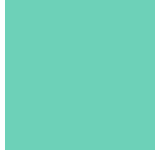
**Original Color**  
78, 68.516, 144.919



**Protanomaly**  
77, 49.189, 122.210



**Deuteranomaly**  
76, 39.327, 115.536



**Tritanomaly**  
77, 35.477, 174.540

# Monochromacy



**Original Color**  
78, 68.516, 144.919



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
71, 26.660, 148.602

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 68.516, 144.919 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(91, 217, 116)` looks like.

```
.text, #text, p{  
    color:rgb(91, 217, 116)  
}
```

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(91, 217, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 217, 116) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 68.516, 144.919 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(91, 217, 116) }
```

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

```
.border{ border-color:rgb(91, 217, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 217, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 217, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 217, 116);  
box-shadow:4px 4px 4px 4px rgb(91, 217,  
116) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 68.516, 144.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 217, 116) }
```

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

```
.background{ background-color: rgb(91, 217,  
116) }
```

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