

Converting Colors

CIELCh(78, 96.292, 137.357)

Have a look what the booklet for
CIELCh(78, 96.292, 137.357)
contains.

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Color

CIELCh(78, 96.410, 137.398)

Conversions

Conversions Part 1

Format	Color
Hex	39DE37
RGB	57, 222, 55
RGB Percent	22%, 87%, 22%
CMY	0.7783, 0.1306, 0.7856
CMYK	0.74, 0.00, 0.75, 0.13
HSL	119°, 71%, 54%
HSV	119°, 75%, 87%
XYZ	28.3842, 53.2120, 12.3485
YIQ	153.6270, -44.7330, -86.9170

Conversions

Conversions Part 2

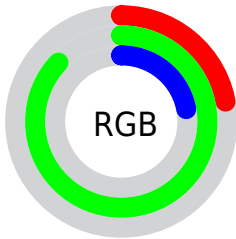
Format	Color
RYB	55, 222, 220
Decimal	3792439
CIELab	78.00, -70.96, 65.26
CIELCh	78, 96.410, 137.398
Yxy	53.2120, 0.3021, 0.5664
Android (android.graphics.Color)	4281982519 (0xFF39DE37)
YUV	153.6270, -48.6231, -84.7419
Hunter-Lab	72.9466, -58.2003, 41.0259

Details

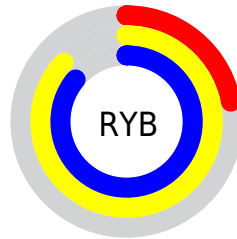
The CIELCh color **78, 96.410, 137.398** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark muted green. A complement of this color would be **55, 94.414, 327.546**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 83.377, 137.460**, and **59, 86.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **78, 102.999, 136.588**, and if you desaturate by 10%, it is **79, 87.263, 138.430**.

Distribution



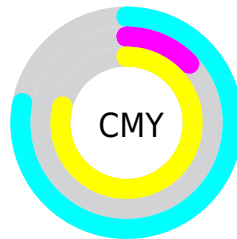
- Red (22%)
- Green (87%)
- Blue (22%)



- Red (22%)
- Yellow (87%)
- Blue (86%)



- Cyan (74%)
- Magenta (0%)
- Yellow (75%)
- Black (13%)





- Cyan (78%)
- Magenta (13%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 96.410, 137.398 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, 96.410, 137.398 by changing the saturation by 10% instead.


 78, 96.410,
137.398


 78, 96.410,
137.398


 100, 96.410,
137.398


 68, 96.410,
137.398


 98, 96.410,
137.398

 58, 96.410,
137.398

 48, 96.410,
137.398

 38, 96.410,
137.398

 28, 96.410,
137.398

 18, 96.410,
137.398

 8, 96.410, 137.398

■ 0, 96.410, 137.398

■ 78, 96.410,
137.398

■ 78, 96.410,
137.398

■ 78, 102.999,
136.588

■ 79, 87.263,
138.430

■ 77, 106.692,
136.125

■ 79, 76.124,
139.538

■ 77, 107.710,
135.979

■ 81, 63.560,
140.615

■ 82, 50.060,
141.600

■ 83, 36.025,
142.470

■ 85, 21.767,
143.223

■ 87, 7.523, 143.884

■ 89, 6.533, 324.345

■ 92, 20.286,
324.830

Harmonies

Complementary

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



78, 96.410, 137.398



55, 94.414, 327.546

Rectangle

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



78, 96.410, 137.398



78, 96.410, 187.398



78, 96.410, 317.398



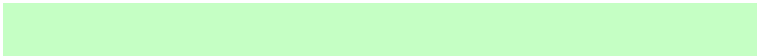
78, 96.410, 7.398

Sweetspot

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



78, 96.410, 137.399



95, 36.635, 142.642



85, 76.786, 102.733



50, 25.351, 142.348



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, 96.410, 137.399



88, 117.089, 136.292



79, 68.209, 153.313



45, 7.960, 143.620



62, 89.641, 135.966



15, 33.617, 140.025

Inverse Universe

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



55, 94.414, 327.546



61, 113.460, 327.759



52, 70.023, 352.835



43, 7.973, 324.637



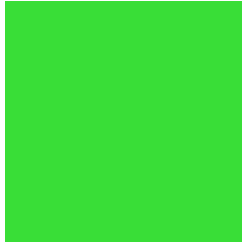
41, 86.588, 327.796



7, 34.521, 327.795

Previews

White Background



This preview shows how the CIELCh color 78, 96.410, 137.398 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, 96.410, 137.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

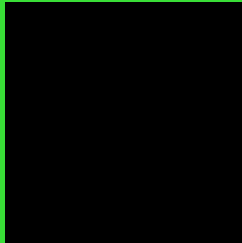
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

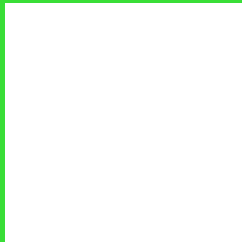
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 96.410, 137.398

Background



This preview shows how black text looks on a background with the CIELCh color 78, 96.410, 137.398.



This preview shows how white text looks on a background with the CIELCh color 78, 96.410, 137.398.

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, 96.410, 137.398

Protanopia

77, 70.094, 94.904

Deuteranopia

77, 62.632, 81.213



Tritanopia
78, 30.523, 213.911

Trichromacy



Original Color
78, 96.410, 137.398



Protanomaly
76, 74.928, 118.257



Deuteranomaly
75, 65.621, 113.155



Tritanomaly
77, 48.652, 162.632

Monochromacy



Original Color
78, 96.410, 137.398



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 40.583, 141.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 96.410, 137.398 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(57, 222, 55)` looks like.

```
.text, #text, p{  
    color:rgb(57, 222, 55)  
}
```

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(57, 222, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 222, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 96.410, 137.398 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(57, 222, 55) }
```

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

```
.border{ border-color:rgb(57, 222, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 222, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 222, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 222, 55);  
box-shadow:4px 4px 4px 4px rgb(57, 222,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 96.410, 137.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 222, 55) }
```

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

```
.background{ background-color: rgb(57, 222,  
55) }
```

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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