

Converting Colors

CIELCh(79, 94.399, 137.850)

Have a look what the booklet for
CIELCh(79, 94.399, 137.850)
contains.

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Color

CIELCh(79, 94.356, 137.796)

Conversions

Conversions Part 1

Format	Color
Hex	40E03F
RGB	64, 224, 63
RGB Percent	25%, 88%, 25%
CMY	0.7474, 0.1204, 0.7518
CMYK	0.71, 0.00, 0.72, 0.12
HSL	120°, 72%, 56%
HSV	120°, 72%, 88%
XYZ	29.7773, 54.9284, 13.7774
YIQ	157.8060, -43.6790, -83.9910

Conversions

Conversions Part 2

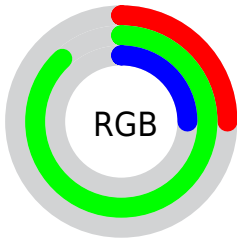
Format	Color
RYB	63, 224, 223
Decimal	4251711
CIELab	79.00, -69.89, 63.39
CIELCh	79, 94.356, 137.796
Yxy	54.9284, 0.3024, 0.5577
Android (android.graphics.Color)	4282441791 (0xFF40E03F)
YUV	157.8060, -46.7394, -82.2679
Hunter-Lab	74.1137, -57.9816, 40.8579

Details

The CIELCh color **79, 94.356, 137.796** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **57, 92.613, 327.601**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 80.290, 137.713**, and **60, 87.244, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **79, 101.952, 136.875**, and if you desaturate by 10%, it is **80, 84.359, 138.885**.

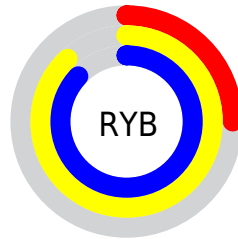
Distribution



Red (25%)

Green (88%)

Blue (25%)



Red (25%)

Yellow (88%)

Blue (87%)

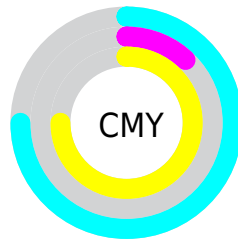


Cyan (71%)

Magenta (0%)

Yellow (72%)

Black (12%)



Cyan (75%)

Magenta (12%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 94.356, 137.796 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 79, 94.356, 137.796 by changing the saturation by 10% instead.


 79, 94.356,
137.796

 79, 94.356,
137.796

 100, 94.356,
137.796


 69, 94.356,
137.796

 99, 94.356,
137.796

 59, 94.356,
137.796

 49, 94.356,
137.796

 39, 94.356,
137.796

 29, 94.356,
137.796

 19, 94.356,
137.796

 9, 94.356, 137.796

■ 0, 94.356, 137.796

■ 79, 94.356,
137.796

■ 79, 94.356,
137.796

■ 79, 101.952,
136.875

■ 80, 84.359,
138.885

■ 78, 106.688,
136.264

■ 81, 72.548,
140.005

■ 78, 108.674,
135.993

■ 82, 59.473,
141.064

■ 83, 45.600,
142.018

■ 85, 31.303,
142.852

■ 87, 16.872,
143.572

■ 89, 2.524, 144.272

■ 91, 11.586,
324.648

■ 93, 19.213,
325.092

Harmonies

Complementary

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



79, 94.356, 137.796



57, 92.613, 327.601

Rectangle

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



79, 94.356, 137.796



79, 94.356, 187.796



79, 94.356, 317.796



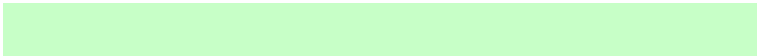
79, 94.356, 7.796

Sweetspot

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



79, 94.356, 137.797



95, 35.088, 142.823



86, 75.005, 102.952



50, 23.577, 142.606



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 94.356, 137.797



88, 115.267, 136.534



80, 66.383, 153.974



46, 8.123, 143.727



63, 90.640, 135.986



16, 35.192, 139.356

Inverse Universe

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



57, 92.613, 327.601



61, 111.901, 327.875



54, 68.655, 352.003



44, 8.136, 324.752



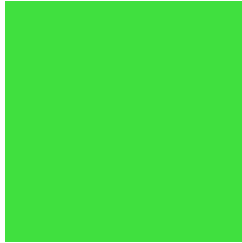
42, 87.514, 327.960



8, 35.925, 327.998

Previews

White Background



This preview shows how the CIE LCh color 79, 94.356, 137.796 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 79, 94.356, 137.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

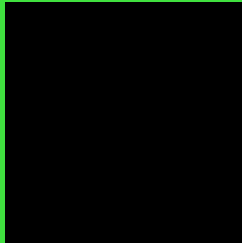
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 94.356, 137.796

Background



This preview shows how black text looks on a background with the CIELCh color 79, 94.356, 137.796.

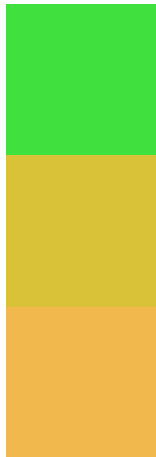


This preview shows how white text looks on a background with the CIELCh color 79, 94.356, 137.796.

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

79, 94.356, 137.796

Protanopia

78, 68.503, 95.334

Deuteranopia

78, 60.756, 80.387



Tritanopia
79, 30.196, 215.184

Trichromacy



Original Color
79, 94.356, 137.796



Protanomaly
77, 73.207, 118.083



Deuteranomaly
76, 63.527, 112.873



Tritanomaly
78, 47.377, 163.369

Monochromacy



Original Color
79, 94.356, 137.796



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 38.673, 142.208

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 94.356, 137.796 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(64, 224, 63)` looks like.

```
.text, #text, p{  
    color:rgb(64, 224, 63)  
}
```

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(64, 224, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 224, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 94.356, 137.796 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(64, 224, 63) }
```

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

```
.border{ border-color:rgb(64, 224, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 224, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 224, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 224, 63);  
box-shadow:4px 4px 4px 4px rgb(64, 224,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 94.356, 137.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 224, 63) }
```

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

```
.background{ background-color: rgb(64, 224,  
63) }
```

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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