

Converting Colors

CIELCh(79, 84.777, 138.915)

Have a look what the booklet for
CIELCh(79, 84.777, 138.915)
contains.

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Color

CIELCh(79, 84.702, 138.905)

Conversions

Conversions Part 1

Format	Color
Hex	53DE53
RGB	83, 222, 83
RGB Percent	33%, 87%, 33%
CMY	0.6728, 0.1279, 0.6731
CMYK	0.62, 0.00, 0.63, 0.13
HSL	120°, 68%, 60%
HSV	120°, 63%, 87%
XYZ	31.4005, 54.9284, 17.2013
YIQ	164.5930, -38.2250, -72.6970

Conversions

Conversions Part 2

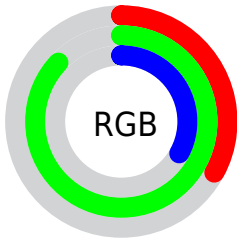
Format	Color
RYB	83, 222, 222
Decimal	5496403
CIELab	79.00, -63.83, 55.68
CIElCh	79, 84.702, 138.905
Yxy	54.9284, 0.3033, 0.5306
Android (android.graphics.Color)	4283686483 (0xFF53DE53)
YUV	164.5930, -40.2253, -71.5571
Hunter-Lab	74.1137, -54.0721, 38.1188

Details

The CIELCh color **79, 84.702, 138.905** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **59, 83.655, 327.521**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 71.174, 139.091**, and **59, 83.092, 137.665** is the 20% darker color. If you saturate the color by 10%, you get **78, 94.466, 137.803**, and if you desaturate by 10%, it is **80, 73.084, 140.044**.

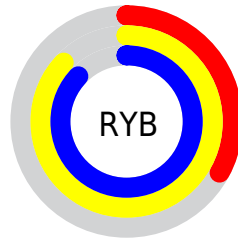
Distribution



Red (33%)

Green (87%)

Blue (33%)



Red (33%)

Yellow (87%)

Blue (87%)

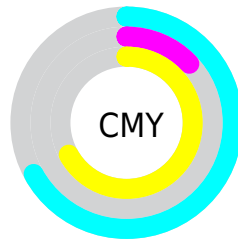


Cyan (62%)

Magenta (0%)

Yellow (63%)

Black (13%)



Cyan (67%)

Magenta (13%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 84.702, 138.905 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, 84.702, 138.905 by changing the saturation by 10% instead.

 79, 84.702,
138.905

 79, 84.702,
138.905


 100, 84.702,
138.905


 69, 84.702,
138.905

 99, 84.702,
138.905

 59, 84.702,
138.905

 49, 84.702,
138.905

 39, 84.702,
138.905

 29, 84.702,
138.905

 19, 84.702,
138.905

 9, 84.702, 138.905

0, 84.702, 138.905

79, 84.702,
138.905

79, 84.702,
138.905

78, 94.466,
137.803

80, 73.084,
140.044

78, 101.795,
136.874

81, 60.164,
141.124

78, 106.261,
136.263

82, 46.411,
142.097

78, 108.006,
136.014

84, 32.206,
142.949

86, 17.847,
143.683

88, 3.558, 144.364

■ 90, 10.504,
324.780

■ 92, 20.416,
325.134

Harmonies

Complementary

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



79, 84.702, 138.905



59, 83.655, 327.521

Rectangle

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



79, 84.702, 138.905



79, 84.702, 188.905



79, 84.702, 318.905



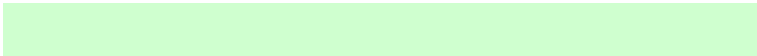
79, 84.702, 8.905

Sweetspot

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



79, 84.702, 138.906



96, 30.350, 143.209



86, 67.008, 103.618



50, 20.898, 142.987



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, 84.702, 138.906



88, 107.558, 137.493



80, 59.029, 155.600



46, 8.140, 143.889



63, 90.675, 136.013



16, 35.251, 139.469

Inverse Universe

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



59, 83.655, 327.521



63, 105.184, 327.901



56, 61.797, 350.089



44, 8.152, 324.923



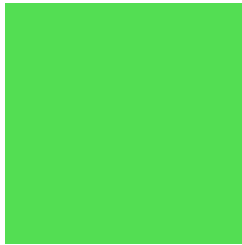
42, 87.492, 328.208



8, 35.926, 328.208

Previews

White Background



This preview shows how the CIELCh color 79, 84.702, 138.905 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, 84.702, 138.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

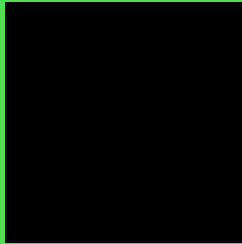
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 79, 84.702, 138.905

Background



This preview shows how black text looks on a background with the CIELCh color 79, 84.702, 138.905.

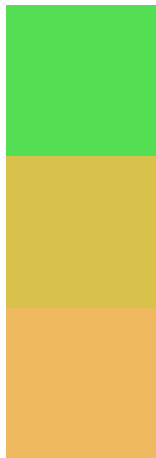


This preview shows how white text looks on a background with the CIELCh color 79, 84.702, 138.905.

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, 84.702, 138.905

Protanopia

78, 60.829, 95.463

Deuteranopia

78, 53.231, 79.351



Tritanopia
79, 28.066, 216.716

Trichromacy



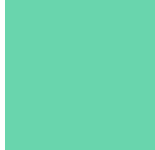
Original Color
79, 84.702, 138.905



Protanomaly
77, 64.694, 117.941



Deuteranomaly
77, 55.536, 112.517



Tritanomaly
78, 41.856, 165.703

Monochromacy



Original Color
79, 84.702, 138.905



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 33.915, 142.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 84.702, 138.905 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(83, 222, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 222, 83)  
}
```

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(83, 222, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 222, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 84.702, 138.905 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(83, 222, 83) }
```

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

```
.border{ border-color:rgb(83, 222, 83) }
```

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

Here you see how a box with a 4 pixel rgb(83, 222, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 222, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 222, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 222,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 84.702, 138.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 222, 83) }
```

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

```
.background{ background-color: rgb(83, 222,  
83) }
```

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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