

Converting Colors

CIELCh(78, 80.236, 139.229)

Have a look what the booklet for
CIELCh(78, 80.236, 139.229)
contains.

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Color

CIELCh(78, 80.093, 139.125)

Conversions

Conversions Part 1

Format	Color
Hex	59DA58
RGB	89, 218, 88
RGB Percent	35%, 85%, 35%
CMY	0.6492, 0.1435, 0.6534
CMYK	0.59, 0.00, 0.60, 0.14
HSL	120°, 64%, 60%
HSV	120°, 60%, 86%
XYZ	31.1183, 53.2120, 17.9456
YIQ	164.6090, -35.1540, -67.7780

Conversions

Conversions Part 2

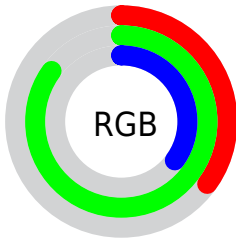
Format	Color
RYB	88, 218, 217
Decimal	5888600
CIELab	78.00, -60.56, 52.41
CIELCh	78, 80.093, 139.125
Yxy	53.2120, 0.3043, 0.5203
Android (android.graphics.Color)	4284078680 (0xFF59DA58)
YUV	164.6090, -37.7682, -66.3091
Hunter-Lab	72.9466, -51.5101, 36.4766

Details

The CIELCh color **78, 80.093, 139.125** 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, 79.324, 327.174**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 68.445, 139.393**, and **58, 79.761, 138.814** is the 20% darker color. If you saturate the color by 10%, you get **77, 90.349, 138.025**, and if you desaturate by 10%, it is **79, 68.201, 140.232**.

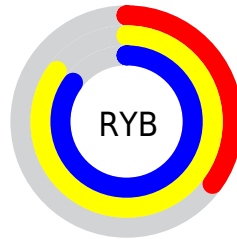
Distribution



Red (35%)

Green (85%)

Blue (35%)



Red (35%)

Yellow (85%)

Blue (85%)

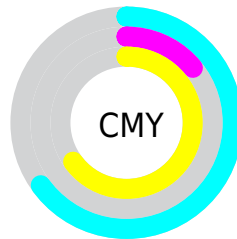


Cyan (59%)

Magenta (0%)

Yellow (60%)

Black (14%)



Cyan (65%)


Magenta (14%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 80.093, 139.125 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, 80.093, 139.125 by changing the saturation by 10% instead.


 78, 80.093,
139.125


 78, 80.093,
139.125


 100, 80.093,
139.125


 68, 80.093,
139.125


 98, 80.093,
139.125

 58, 80.093,
139.125

 48, 80.093,
139.125

 38, 80.093,
139.125

 28, 80.093,
139.125

 18, 80.093,
139.125

 8, 80.093, 139.125

■ 0, 80.093, 139.125

■ 78, 80.093,
139.125

■ 78, 80.093,
139.125

■ 77, 90.349,
138.025

■ 79, 68.201,
140.232

■ 77, 98.393,
137.057

■ 80, 55.190,
141.265

■ 76, 103.725,
136.368

■ 82, 41.492,
142.188

■ 76, 106.415,
136.003

■ 83, 27.453,
142.992

■ 76, 106.518,
135.988

■ 85, 13.338,
143.687

■ 87, 0.656, 323.830

■ 90, 14.392,
324.719

■ 91, 22.910,
325.222

Harmonies

Complementary

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



78, 80.093, 139.125



59, 79.324, 327.174

Rectangle

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



78, 80.093, 139.125



78, 80.093, 189.125



78, 80.093, 319.125



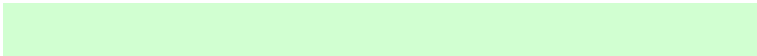
78, 80.093, 9.125

Sweetspot

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



78, 80.094, 139.126



96, 28.673, 143.093



84, 63.407, 103.860



51, 19.937, 142.874



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, 80.094, 139.126



89, 103.670, 137.807



79, 55.837, 156.093



45, 7.967, 143.693



62, 89.657, 135.979



15, 33.644, 140.079

Inverse Universe

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



59, 79.324, 327.174



64, 101.793, 327.550



56, 58.568, 349.540



43, 7.980, 324.714



41, 86.578, 327.907



7, 34.530, 327.891

Previews

White Background



This preview shows how the CIELCh color 78, 80.093, 139.125 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, 80.093, 139.125 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, 80.093, 139.125

Background



This preview shows how black text looks on a background with the CIELCh color 78, 80.093, 139.125.

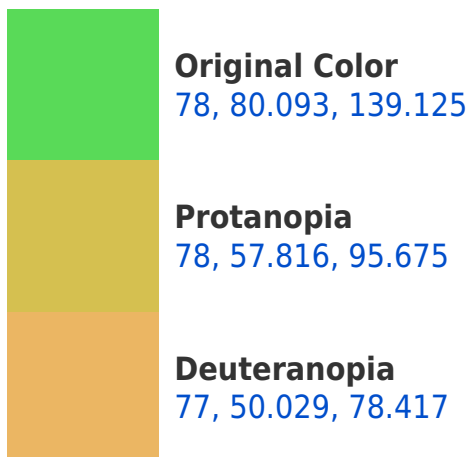


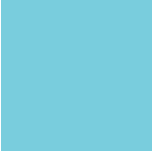
This preview shows how white text looks on a background with the CIELCh color 78, 80.093, 139.125.

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, 26.626, 216.667

Trichromacy



Original Color
78, 80.093, 139.125



Protanomaly
77, 61.642, 118.031



Deuteranomaly
76, 51.771, 111.443



Tritanomaly
78, 39.155, 166.160

Monochromacy



Original Color
78, 80.093, 139.125



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 31.110, 142.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 80.093, 139.125 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(89, 218, 88)` looks like.

```
.text, #text, p{  
    color:rgb(89, 218, 88)  
}
```

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(89, 218, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 218, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 80.093, 139.125 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(89, 218, 88) }
```

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

```
.border{ border-color:rgb(89, 218, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 218, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 218, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 218, 88);  
box-shadow:4px 4px 4px 4px rgb(89, 218,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 80.093, 139.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 218, 88) }
```

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

```
.background{ background-color: rgb(89, 218,  
88) }
```

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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