

Converting Colors

CIELCh(78, 89.040, 139.345)

Have a look what the booklet for
CIELCh(78, 89.040, 139.345)
contains.

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Color

CIELCh(78, 89.040, 139.346)

Conversions

Conversions Part 1

Format	Color
Hex	42DD4B
RGB	66, 221, 75
RGB Percent	26%, 87%, 29%
CMY	0.7427, 0.1344, 0.7069
CMYK	0.70, 0.00, 0.66, 0.13
HSL	124°, 69%, 56%
HSV	124°, 70%, 87%
XYZ	29.2630, 53.2120, 15.3365
YIQ	158.0110, -45.5140, -78.2660

Conversions

Conversions Part 2

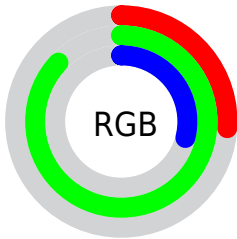
Format	Color
RYB	66, 212, 221
Decimal	4382027
CIELab	78.00, -67.55, 58.01
CIELCh	78, 89.040, 139.346
Yxy	53.2120, 0.2992, 0.5440
Android (android.graphics.Color)	4282572107 (0xFF42DD4B)
YUV	158.0110, -40.9244, -80.6936
Hunter-Lab	72.9466, -56.0500, 38.5973

Details

The CIELCh color **78, 89.040, 139.346** 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 **56, 86.758, 329.756**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 76.035, 139.767**, and **59, 85.137, 136.471** is the 20% darker color. If you saturate the color by 10%, you get **77, 97.265, 138.124**, and if you desaturate by 10%, it is **79, 78.882, 140.613**.

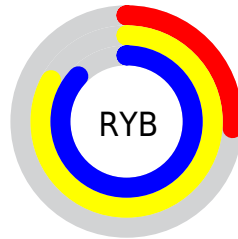
Distribution



Red (26%)

Green (87%)

Blue (29%)



Red (26%)

Yellow (83%)

Blue (87%)

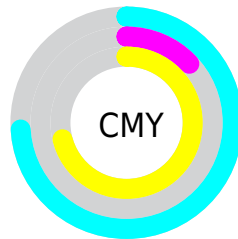


Cyan (70%)

Magenta (0%)

Yellow (66%)

Black (13%)



Cyan (74%)

Magenta (13%)

Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 89.040, 139.346 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, 89.040, 139.346 by changing the saturation by 10% instead.


 78, 89.040,
139.346

 78, 89.040,
139.346

 100, 89.040,
139.346

 68, 89.040,
139.346

 98, 89.040,
139.346

 58, 89.040,
139.346

 48, 89.040,
139.346

 38, 89.040,
139.346

 28, 89.040,
139.346

 18, 89.040,
139.346

 8, 89.040, 139.346

■ 0, 89.040, 139.346

■ 78, 89.040,
139.346

■ 78, 89.040,
139.346

■ 77, 97.265,
138.124

■ 79, 78.882,
140.613

■ 77, 103.122,
137.080

■ 80, 67.259,
141.823

■ 77, 106.394,
136.404

■ 81, 54.610,
142.924

■ 82, 41.311,
143.893

■ 84, 27.680,
144.732

■ 86, 13.966,
145.456

■ 88, 0.358, 146.860

■ 90, 13.008,
326.536

■ 92, 21.457,
325.171

Harmonies

Complementary

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



78, 89.040, 139.346



56, 86.758, 329.756

Rectangle

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



78, 89.040, 139.346



78, 89.040, 189.346



78, 89.040, 319.346



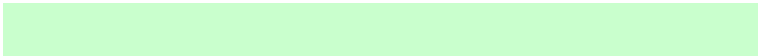
78, 89.040, 9.346

Sweetspot

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



78, 89.040, 139.347



95, 32.242, 144.662



85, 73.958, 106.455



50, 21.828, 144.438



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, 89.040, 139.347



88, 111.700, 137.633



79, 60.534, 157.775



45, 7.674, 145.513



62, 88.593, 136.528



15, 32.736, 141.200

Inverse Universe

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



56, 86.758, 329.756



61, 106.398, 330.286



53, 65.179, 356.435



43, 7.687, 326.567



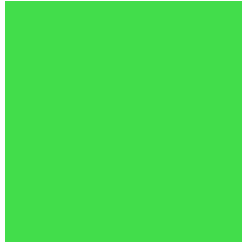
41, 82.668, 330.705



7, 33.172, 330.186

Previews

White Background



This preview shows how the CIELCh color 78, 89.040, 139.346 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, 89.040, 139.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

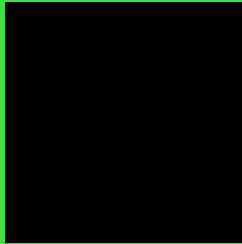
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

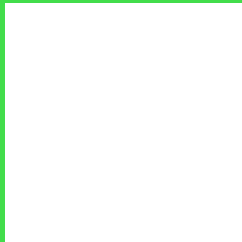
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 89.040, 139.346

Background



This preview shows how black text looks on a background with the CIELCh color 78, 89.040, 139.346.

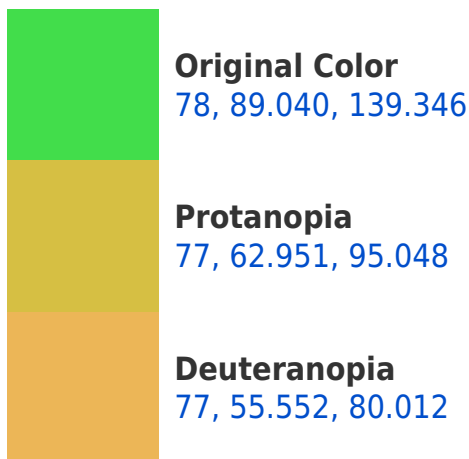


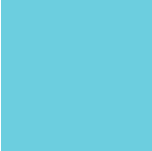
This preview shows how white text looks on a background with the CIELCh color 78, 89.040, 139.346.

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, 29.750, 215.520

Trichromacy



Original Color
78, 89.040, 139.346



Protanomaly
76, 67.716, 119.257



Deuteranomaly
76, 58.137, 114.049



Tritanomaly
77, 44.572, 165.882

Monochromacy



Original Color
78, 89.040, 139.346



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 36.276, 144.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 89.040, 139.346 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(66, 221, 75)` looks like.

```
.text, #text, p{  
    color:rgb(66, 221, 75)  
}
```

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(66, 221, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 221, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 89.040, 139.346 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(66, 221, 75) }
```

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

```
.border{ border-color:rgb(66, 221, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 221, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 221, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 221, 75);  
box-shadow:4px 4px 4px 4px rgb(66, 221,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 89.040, 139.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 221, 75) }
```

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

```
.background{ background-color: rgb(66, 221,  
75) }
```

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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