

Converting Colors

CIELCh(76, 85.207, 139.852)

Have a look what the booklet for
CIELCh(76, 85.207, 139.852)
contains.

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Color

CIELCh(76, 85.073, 139.879)

Conversions

Conversions Part 1	
Format	Color
Hex	42D64D
RGB	66, 214, 77
RGB Percent	26%, 84%, 30%
CMY	0.7403, 0.1601, 0.6974
CMYK	0.69, 0.00, 0.64, 0.16
HSL	124°, 64%, 55%
HSV	124°, 69%, 84%
XYZ	27.6994, 49.8872, 15.2214
YIQ	154.1300, -44.2310, -73.9830

Conversions

Conversions Part 2

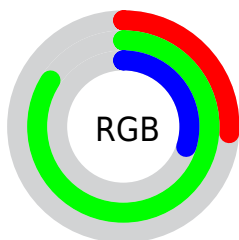
Format	Color
RYB	66, 204, 214
Decimal	4380237
CIELab	76.00, -65.05, 54.82
CIELCh	76, 85.073, 139.879
Yxy	49.8872, 0.2985, 0.5375
Android (android.graphics.Color)	4282570317 (0xFF42D64D)
YUV	154.1300, -38.0251, -77.2900
Hunter-Lab	70.6309, -53.6016, 36.6643

Details

The CIELCh color **76, 85.073, 139.879** 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 **55, 82.928, 330.240**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 75.985, 140.288**, and **57, 81.666, 137.058** is the 20% darker color. If you saturate the color by 10%, you get **75, 93.422, 138.595**, and if you desaturate by 10%, it is **77, 74.978, 141.170**.

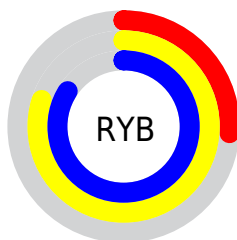
Distribution



Red (26%)

Green (84%)

Blue (30%)



Red (26%)

Yellow (80%)

Blue (84%)

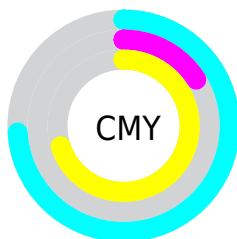


Cyan (69%)

Magenta (0%)

Yellow (64%)

Black (16%)



Cyan (74%)


Magenta (16%)


Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 85.073, 139.879 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 76, 85.073, 139.879 by changing the saturation by 10% instead.


 76, 85.073,
139.879


 76, 85.073,
139.879


 100, 85.073,
139.879


 66, 85.073,
139.879


 96, 85.073,
139.879

 56, 85.073,
139.879

 46, 85.073,
139.879

 36, 85.073,
139.879

 26, 85.073,
139.879

 16, 85.073,
139.879

 6, 85.073, 139.879

0, 85.073, 139.879

76, 85.073,
139.879

76, 85.073,
139.879

75, 93.422,
138.595

77, 74.978,
141.170

75, 99.612,
137.443

78, 63.566,
142.383

75, 103.418,
136.591

79, 51.234,
143.475

75, 103.666,
136.543


80, 38.331,
144.431

82, 25.144,
145.258

84, 11.905,
145.973

 86, 1.213, 326.308

 88, 14.088,
327.036

 90, 25.575,
325.315

Harmonies

Complementary

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



76, 85.073, 139.879



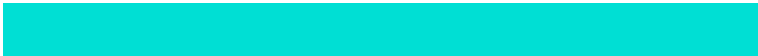
55, 82.928, 330.240

Rectangle

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



76, 85.073, 139.879



76, 85.073, 189.879



76, 85.073, 319.879



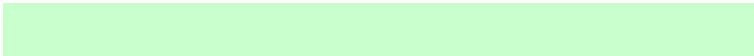
76, 85.073, 9.879

Sweetspot

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



76, 85.073, 139.879



95, 31.904, 145.092



83, 71.365, 107.363



50, 21.599, 144.866



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 85.073, 139.879



88, 110.253, 138.023



77, 57.402, 158.960



44, 7.448, 145.950



61, 87.306, 136.680



14, 30.978, 142.312

Inverse Universe

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



55, 82.928, 330.240



61, 104.790, 330.853



52, 62.544, 357.330



42, 7.461, 327.007



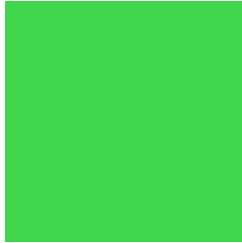
40, 80.810, 331.391



6, 31.226, 330.585

Previews

White Background



This preview shows how the CIELCh color 76, 85.073, 139.879 looks on a white background.

Color Contrast Check

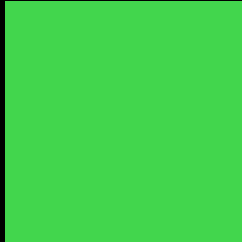
Large Text (above 18pt) WCAG AA × Fail

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 76, 85.073, 139.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

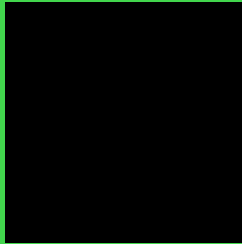
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 85.073, 139.879

Background



This preview shows how black text looks on a background with the CIELCh color 76, 85.073, 139.879.

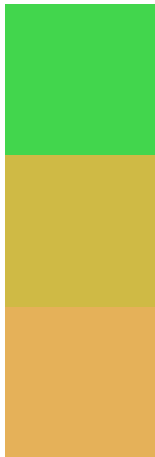


This preview shows how white text looks on a background with the CIELCh color 76, 85.073, 139.879.

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

76, 85.073, 139.879

Protanopia

75, 60.003, 95.573

Deuteranopia

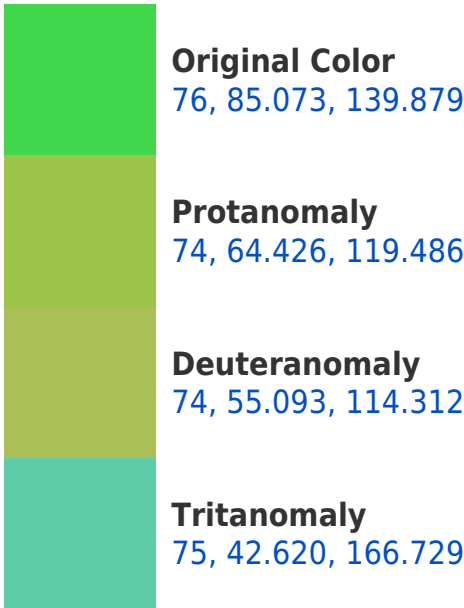
75, 52.269, 79.552



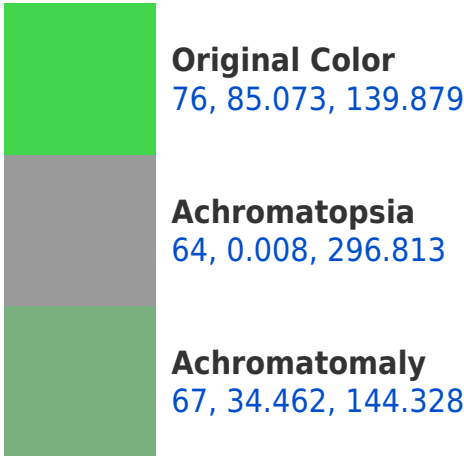
Tritanopia

76, 28.854, 216.230

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 85.073, 139.879 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, 214, 77)` looks like.

```
.text, #text, p{  
    color:rgb(66, 214, 77)  
}
```

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, 214, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 214, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 85.073, 139.879 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, 214, 77) }
```

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

```
.border{ border-color:rgb(66, 214, 77) }
```

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

Here you see how a box with a 4 pixel rgb(66, 214, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 214, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 214, 77);  
box-shadow:4px 4px 4px 4px rgb(66, 214,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 85.073, 139.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 214, 77) }
```

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

```
.background{ background-color: rgb(66, 214,  
77) }
```

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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