

Converting Colors

CIELCh(75, 85.225, 139.307)

Have a look what the booklet for
CIELCh(75, 85.225, 139.307)
contains.

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Color

CIELCh(75, 85.007, 139.319)

Conversions

Conversions Part 1

Format	Color
Hex	42D349
RGB	66, 211, 73
RGB Percent	26%, 83%, 29%
CMY	0.7407, 0.1722, 0.7134
CMYK	0.69, 0.00, 0.65, 0.17
HSL	123°, 62%, 54%
HSV	123°, 69%, 83%
XYZ	26.7769, 48.2781, 14.2258
YIQ	151.9130, -42.1220, -73.6580

Conversions

Conversions Part 2

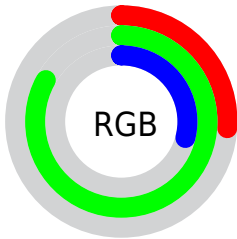
Format	Color
RYB	66, 204, 211
Decimal	4379465
CIELab	75.00, -64.47, 55.41
CIELCh	75, 85.007, 139.319
Yxy	48.2781, 0.2999, 0.5407
Android (android.graphics.Color)	4282569545 (0xFF42D349)
YUV	151.9130, -38.9041, -75.3457
Hunter-Lab	69.4824, -52.8045, 36.4987

Details

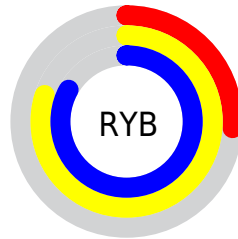
The CIELCh color **75, 85.007, 139.319** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **54, 83.108, 329.313**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 77.543, 139.503**, and **56, 81.558, 136.531** is the 20% darker color. If you saturate the color by 10%, you get **74, 93.273, 138.120**, and if you desaturate by 10%, it is **76, 74.908, 140.557**.

Distribution



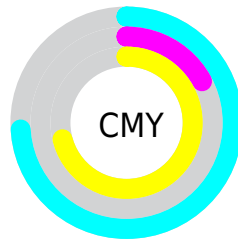
- Red (26%)
- Green (83%)
- Blue (29%)



- Red (26%)
- Yellow (80%)
- Blue (83%)



- Cyan (69%)
- Magenta (0%)
- Yellow (65%)
- Black (17%)





- Cyan (74%)
- Magenta (17%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 85.007, 139.319 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 75, 85.007, 139.319 by changing the saturation by 10% instead.


 75, 85.007,
139.319


 75, 85.007,
139.319


 100, 85.007,
139.319


 65, 85.007,
139.319


 95, 85.007,
139.319

 55, 85.007,
139.319

 45, 85.007,
139.319

 35, 85.007,
139.319

 25, 85.007,
139.319

 15, 85.007,
139.319

 5, 85.007, 139.319

■ 0, 85.007, 139.319

■ 75, 85.007,
139.319

■ 75, 85.007,
139.319

■ 74, 93.273,
138.120

■ 76, 74.908,
140.557

■ 74, 99.258,
137.091

■ 77, 63.441,
141.736

■ 74, 102.737,
136.392

■ 78, 51.031,
142.806

■ 74, 103.036,
136.346

■ 79, 38.042,
143.746

■ 81, 24.770,
144.559

■ 83, 11.451,
145.264

■ 85, 1.740, 325.665

■ 87, 14.679,
326.306

■ 89, 27.073,
326.043

Harmonies

Complementary

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



75, 85.007, 139.319



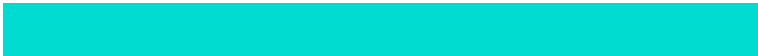
54, 83.108, 329.313

Rectangle

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



75, 85.007, 139.319



75, 85.007, 189.319



75, 85.007, 319.319



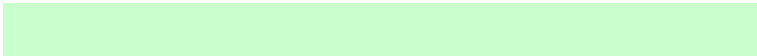
75, 85.007, 9.319

Sweetspot

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



75, 85.007, 139.320



95, 32.481, 144.363



82, 70.145, 105.706



50, 21.989, 144.140



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 85.007, 139.320



88, 110.814, 137.657



76, 58.320, 157.177



43, 7.433, 145.215



60, 86.821, 136.451



13, 29.814, 142.852

Inverse Universe

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



54, 83.108, 329.313



61, 106.219, 329.808



51, 62.269, 354.775



41, 7.446, 326.258



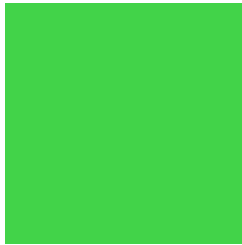
39, 81.548, 330.227



6, 29.996, 329.426

Previews

White Background



This preview shows how the CIE LCh color 75, 85.007, 139.319 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 75, 85.007, 139.319 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

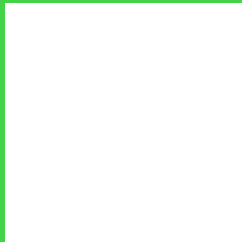
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 85.007, 139.319

Background



This preview shows how black text looks on a background with the CIELCh color 75, 85.007, 139.319.

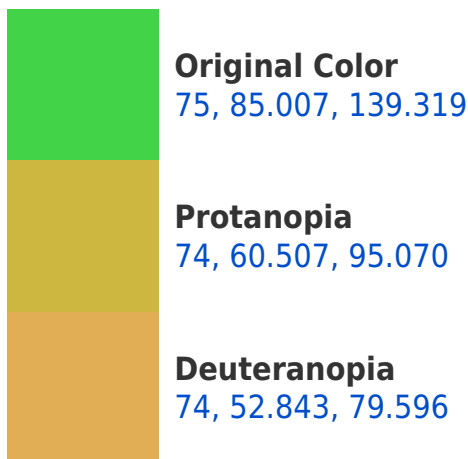


This preview shows how white text looks on a background with the CIELCh color 75, 85.007, 139.319.

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
75, 28.336, 215.475

Trichromacy



Original Color
75, 85.007, 139.319



Protanomaly
73, 64.728, 119.007



Deuteranomaly
73, 55.039, 113.400



Tritanomaly
74, 42.583, 165.760

Monochromacy



Original Color
75, 85.007, 139.319



Achromatopsia
63, 0.008, 296.813



Achromatomaly
66, 34.126, 143.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 85.007, 139.319 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, 211, 73)` looks like.

```
.text, #text, p{  
    color:rgb(66, 211, 73)  
}
```

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, 211, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 211, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 85.007, 139.319 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, 211, 73) }
```

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

```
.border{ border-color:rgb(66, 211, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 211, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 211, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 211, 73);  
box-shadow:4px 4px 4px 4px rgb(66, 211,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 85.007, 139.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 211, 73) }
```

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

```
.background{ background-color: rgb(66, 211,  
73) }
```

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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