

Converting Colors

CIELCh(75, 89.214, 139.545)

Have a look what the booklet for
CIELCh(75, 89.214, 139.545)
contains.

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Color

CIELCh(75, 89.010, 139.585)

Conversions

Conversions Part 1

Format	Color
Hex	33D443
RGB	51, 212, 67
RGB Percent	20%, 83%, 26%
CMY	0.7991, 0.1680, 0.7367
CMYK	0.76, 0.00, 0.68, 0.17
HSL	126°, 65%, 52%
HSV	126°, 76%, 83%
XYZ	25.9753, 48.2781, 13.2822
YIQ	147.3310, -49.4110, -79.2270

Conversions

Conversions Part 2

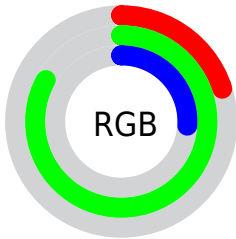
Format	Color
RYB	51, 197, 212
Decimal	3396675
CIELab	75.00, -67.77, 57.71
CIELCh	75, 89.010, 139.585
Yxy	48.2781, 0.2967, 0.5515
Android (android.graphics.Color)	4281586755 (0xFF33D443)
YUV	147.3310, -39.6032, -84.4823
Hunter-Lab	69.4824, -54.8640, 37.3039

Details

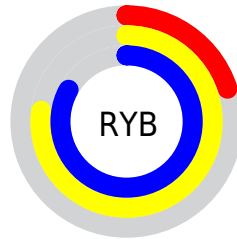
The CIELCh color **75, 89.010, 139.585** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **52, 85.583, 331.494**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 80.952, 139.911**, and **56, 82.977, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **75, 96.044, 138.270**, and if you desaturate by 10%, it is **76, 80.104, 140.949**.

Distribution



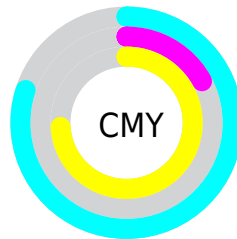
- Red (20%)
- Green (83%)
- Blue (26%)



- Red (20%)
- Yellow (77%)
- Blue (83%)



- Cyan (76%)
- Magenta (0%)
- Yellow (68%)
- Black (17%)





- Cyan (80%)
- Magenta (17%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 89.010, 139.585 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, 89.010, 139.585 by changing the saturation by 10% instead.


 75, 89.010,
139.585


 75, 89.010,
139.585


 100, 89.010,
139.585


 65, 89.010,
139.585


 95, 89.010,
139.585

 55, 89.010,
139.585

 45, 89.010,
139.585

 35, 89.010,
139.585

 25, 89.010,
139.585

 15, 89.010,
139.585

 5, 89.010, 139.585

■ 0, 89.010, 139.585

■ 75, 89.010,
139.585

■ 75, 89.010,
139.585

■ 75, 96.044,
138.270

■ 76, 80.104,
140.949

■ 74, 100.890,
137.138

■ 76, 69.709,
142.258

■ 74, 102.289,
136.800

■ 77, 58.207,
143.455

■ 79, 45.949,
144.515

■ 80, 33.245,
145.436

■ 82, 20.348,
146.231

■ 84, 7.461, 146.930

■ 86, 5.266, 327.410

■ 88, 17.728,
327.941

Harmonies

Complementary

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



75, 89.010, 139.585



52, 85.583, 331.494

Rectangle

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



75, 89.010, 139.585



75, 89.010, 189.585



75, 89.010, 319.585



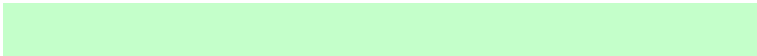
75, 89.010, 9.585

Sweetspot

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



75, 89.010, 139.586



95, 34.344, 145.655



82, 75.663, 107.945



50, 23.768, 145.346



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, 89.010, 139.586



88, 114.058, 137.547



76, 60.016, 158.693



44, 7.319, 146.686



61, 86.720, 136.958



14, 30.582, 142.739

Inverse Universe

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



52, 85.583, 331.494



60, 105.667, 332.267



49, 65.807, 0.539



42, 7.333, 327.756



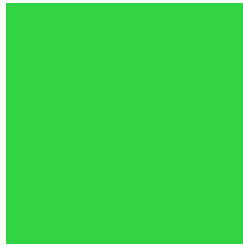
40, 79.253, 332.577



6, 30.657, 331.530

Previews

White Background



This preview shows how the CIELCh color 75, 89.010, 139.585 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, 89.010, 139.585 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

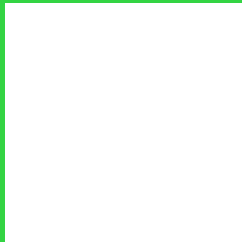
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 89.010, 139.585

Background



This preview shows how black text looks on a background with the CIELCh color 75, 89.010, 139.585.



This preview shows how white text looks on a background with the CIELCh color 75, 89.010, 139.585.

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

75, 89.010, 139.585

Protanopia

74, 62.842, 95.164

Deuteranopia

74, 55.238, 79.943



Tritanopia
75, 29.987, 214.341

Trichromacy



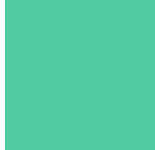
Original Color
75, 89.010, 139.585



Protanomaly
73, 68.072, 120.185



Deuteranomaly
72, 58.512, 115.153



Tritanomaly
74, 45.335, 166.043

Monochromacy



Original Color
75, 89.010, 139.585



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 36.411, 144.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 89.010, 139.585 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(51, 212, 67)` looks like.

```
.text, #text, p{  
    color:rgb(51, 212, 67)  
}
```

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(51, 212, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 212, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 89.010, 139.585 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(51, 212, 67) }
```

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

```
.border{ border-color:rgb(51, 212, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 212, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 212, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 212, 67);  
box-shadow:4px 4px 4px 4px rgb(51, 212,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 89.010, 139.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 212, 67) }
```

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

```
.background{ background-color: rgb(51, 212,  
67) }
```

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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