

Converting Colors

CIELCh(76, 86.653, 139.414)

Have a look what the booklet for
CIELCh(76, 86.653, 139.414)
contains.

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Color

CIELCh(76, 86.540, 139.325)

Conversions

Conversions Part 1

Format	Color
Hex	41D649
RGB	65, 214, 73
RGB Percent	25%, 84%, 29%
CMY	0.7433, 0.1595, 0.7125
CMYK	0.69, 0.00, 0.66, 0.16
HSL	123°, 65%, 55%
HSV	123°, 69%, 84%
XYZ	27.5544, 49.8872, 14.5357
YIQ	153.3750, -43.5430, -75.4390

Conversions

Conversions Part 2

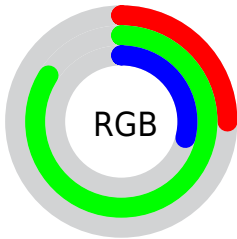
Format	Color
R_{YB}	65, 206, 214
Decimal	4314697
CIE _{Lab}	76.00, -65.63, 56.40
CIE _{LCh}	76, 86.540, 139.325
Yxy	49.8872, 0.2996, 0.5424
Android (android.graphics.Color)	4282504777 (0xFF41D649)
YUV	153.3750, -39.6249, -77.5049
Hunter-Lab	70.6309, -53.9681, 37.2399

Details

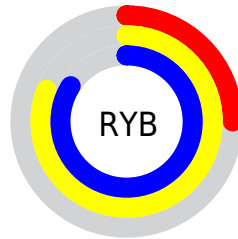
The CIELCh color **76, 86.540, 139.325** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **55, 84.477, 329.512**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 77.543, 139.503**, and **57, 83.003, 136.387** is the 20% darker color. If you saturate the color by 10%, you get **75, 94.747, 138.116**, and if you desaturate by 10%, it is **77, 76.461, 140.575**.

Distribution



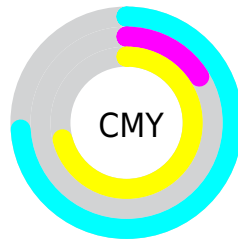
- Red (25%)
- Green (84%)
- Blue (29%)



- Red (25%)
- Yellow (81%)
- Blue (84%)



- Cyan (69%)
- Magenta (0%)
- Yellow (66%)
- Black (16%)





- Cyan (74%)
- Magenta (16%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 86.540, 139.325 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, 86.540, 139.325 by changing the saturation by 10% instead.


 76, 86.540,
139.325


 76, 86.540,
139.325


 100, 86.540,
139.325


 66, 86.540,
139.325


 96, 86.540,
139.325

 56, 86.540,
139.325

 46, 86.540,
139.325

 36, 86.540,
139.325

 26, 86.540,
139.325

 16, 86.540,
139.325

 6, 86.540, 139.325

0, 86.540, 139.325

76, 86.540,
139.325

76, 86.540,
139.325

75, 94.747,
138.116

77, 76.461,
140.575

75, 100.641,
137.083

78, 64.974,
141.769

75, 104.031,
136.392

79, 52.508,
142.852

75, 104.153,
136.373

80, 39.433,
143.806

82, 26.053,
144.632

84, 12.610,
145.345

■ 86, 0.717, 325.522

■ 88, 13.799,
326.405

■ 90, 25.476,
325.312

Harmonies

Complementary

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



76, 86.540, 139.325



55, 84.477, 329.512

Rectangle

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



76, 86.540, 139.325



76, 86.540, 189.325



76, 86.540, 319.325



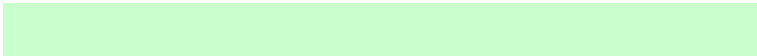
76, 86.540, 9.325

Sweetspot

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



76, 86.540, 139.326



95, 32.374, 144.496



83, 71.645, 106.503



50, 21.917, 144.273



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, 86.540, 139.326



88, 111.294, 137.636



77, 58.616, 157.944



44, 7.557, 145.348



61, 87.718, 136.485



14, 31.313, 141.961

Inverse Universe

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



55, 84.477, 329.512



61, 106.369, 330.023



52, 63.167, 356.197



42, 7.570, 326.396



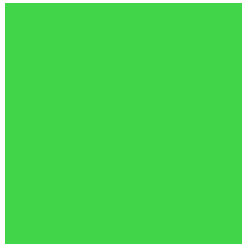
40, 82.148, 330.440



6, 31.712, 329.824

Previews

White Background



This preview shows how the CIE LCh color 76, 86.540, 139.325 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, 86.540, 139.325 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, 86.540, 139.325

Background



This preview shows how black text looks on a background with the CIELCh color 76, 86.540, 139.325.

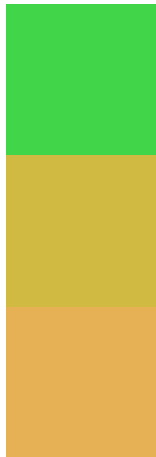


This preview shows how white text looks on a background with the CIELCh color 76, 86.540, 139.325.

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, 86.540, 139.325

Protanopia

75, 61.693, 95.227

Deuteranopia

75, 54.245, 79.771



Tritanopia
76, 29.062, 216.079

Trichromacy



Original Color
76, 86.540, 139.325



Protanomaly
74, 65.984, 119.017



Deuteranomaly
74, 56.857, 113.884



Tritanomaly
75, 43.154, 166.276

Monochromacy



Original Color
76, 86.540, 139.325



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 34.907, 143.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 86.540, 139.325 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(65, 214, 73)` looks like.

```
.text, #text, p{  
    color:rgb(65, 214, 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(65, 214, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 214, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 86.540, 139.325 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(65, 214, 73) }
```

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

```
.border{ border-color:rgb(65, 214, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 214, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 214, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 214, 73);  
box-shadow:4px 4px 4px 4px rgb(65, 214,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 86.540, 139.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 214, 73) }
```

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

```
.background{ background-color: rgb(65, 214,  
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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