

Converting Colors

CIELCh(76, 81.917, 136.017)

Have a look what the booklet for
CIELCh(76, 81.917, 136.017)
contains.

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Color

CIELCh(76, 81.836, 136.095)

Conversions

Conversions Part 1

Format	Color
Hex	5DD449
RGB	93, 212, 73
RGB Percent	36%, 83%, 29%
CMY	0.6354, 0.1687, 0.7138
CMYK	0.56, 0.00, 0.66, 0.17
HSL	111°, 62%, 56%
HSV	111°, 66%, 83%
XYZ	29.2547, 49.8872, 14.3884
YIQ	160.5730, -26.3050, -68.4570

Conversions

Conversions Part 2

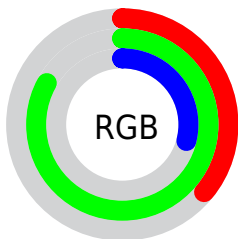
Format	Color
RYB	73, 212, 192
Decimal	6149193
CIELab	76.00, -58.96, 56.75
CIELCh	76, 81.836, 136.095
Yxy	49.8872, 0.3128, 0.5334
Android (android.graphics.Color)	4284339273 (0xFF5DD449)
YUV	160.5730, -43.1735, -59.2615
Hunter-Lab	70.6309, -49.6709, 37.3635

Details

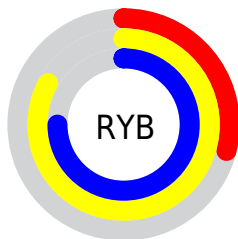
The CIELCh color **76, 81.836, 136.095** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **53, 82.418, 323.075**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 73.945, 135.766**, and **56, 81.710, 136.134** is the 20% darker color. If you saturate the color by 10%, you get **75, 90.895, 135.500**, and if you desaturate by 10%, it is **77, 71.103, 136.837**.

Distribution



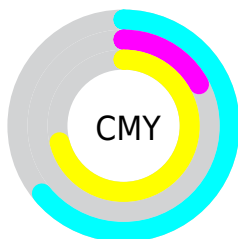
- Red (36%)
- Green (83%)
- Blue (29%)



- Red (29%)
- Yellow (83%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (66%)
- Black (17%)





- Cyan (64%)
- Magenta (17%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 81.836, 136.095 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, 81.836, 136.095 by changing the saturation by 10% instead.


 76, 81.836,
136.095


 76, 81.836,
136.095


 100, 81.836,
136.095


 66, 81.836,
136.095


 96, 81.836,
136.095

 56, 81.836,
136.095

 46, 81.836,
136.095

 36, 81.836,
136.095

 26, 81.836,
136.095

 16, 81.836,
136.095

 6, 81.836, 136.095

■ 0, 81.836, 136.095

■ 76, 81.836,
136.095

■ 76, 81.836,
136.095

■ 75, 90.895,
135.500

■ 77, 71.103,
136.837

■ 75, 97.717,
135.181

■ 78, 59.218,
137.617

■ 75, 101.918,
135.238

■ 79, 46.605,
138.369

■ 74, 103.174,
135.293

■ 81, 33.589,
139.060

■ 82, 20.414,
139.676

■ 84, 7.258, 140.231

■ 86, 5.748, 320.618

■ 88, 18.516,
321.039

■ 90, 26.955,
325.363

Harmonies

Complementary

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



76, 81.836, 136.095



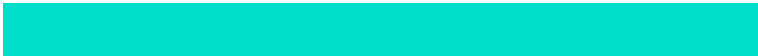
53, 82.418, 323.075

Rectangle

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



76, 81.836, 136.095



76, 81.836, 186.095



76, 81.836, 316.095



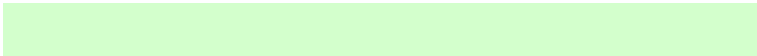
76, 81.836, 6.095

Sweetspot

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



76, 81.836, 136.096



96, 30.507, 139.399



77, 60.418, 95.826



51, 20.822, 139.222



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, 81.836, 136.096



89, 108.182, 135.322



76, 66.342, 149.187



44, 7.481, 140.021



61, 87.726, 135.184



14, 30.832, 138.241

Inverse Universe

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



53, 82.418, 323.075



58, 108.045, 323.164



53, 66.268, 342.475



42, 7.514, 320.881



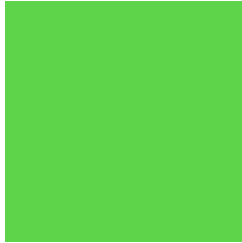
36, 86.580, 322.753



5, 31.971, 322.846

Previews

White Background



This preview shows how the CIELCh color 76, 81.836, 136.095 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, 81.836, 136.095 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, 81.836, 136.095

Background



This preview shows how black text looks on a background with the CIELCh color 76, 81.836, 136.095.



This preview shows how white text looks on a background with the CIELCh color 76, 81.836, 136.095.

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, 81.836, 136.095

Protanopia
75, 61.296, 95.211

Deuteranopia
75, 54.681, 79.921



Tritanopia
76, 24.510, 218.613

Trichromacy



Original Color
76, 81.836, 136.095



Protanomaly
75, 64.094, 115.397



Deuteranomaly
74, 56.283, 109.202



Tritanomaly
75, 38.270, 162.369

Monochromacy



Original Color
76, 81.836, 136.095



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 32.646, 139.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 81.836, 136.095 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(93, 212, 73)` looks like.

```
.text, #text, p{  
    color:rgb(93, 212, 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(93, 212, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 212, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 81.836, 136.095 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(93, 212, 73) }
```

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

```
.border{ border-color:rgb(93, 212, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 212, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 212, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 212, 73);  
box-shadow:4px 4px 4px 4px rgb(93, 212,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 81.836, 136.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 212, 73) }
```

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

```
.background{ background-color: rgb(93, 212,  
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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