

Converting Colors

CIELCh(76, 53.972, 136.794)

Have a look what the booklet for
CIELCh(76, 53.972, 136.794)
contains.

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Color

CIELCh(76, 53.813, 136.861)

Conversions

Conversions Part 1

Format	Color
Hex	85CD75
RGB	133, 205, 117
RGB Percent	52%, 80%, 46%
CMY	0.4787, 0.1964, 0.5415
CMYK	0.35, 0.00, 0.43, 0.20
HSL	109°, 47%, 63%
HSV	109°, 43%, 80%
XYZ	34.6794, 49.8872, 24.6081
YIQ	173.4400, -14.6640, -42.6320

Conversions

Conversions Part 2

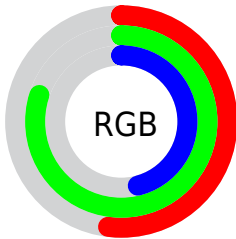
Format	Color
RYB	117, 205, 189
Decimal	8768885
CIELab	76.00, -39.27, 36.80
CIELCh	76, 53.813, 136.861
Yxy	49.8872, 0.3177, 0.4569
Android (android.graphics.Color)	4286958965 (0xFF85CD75)
YUV	173.4400, -27.8249, -35.4659
Hunter-Lab	70.6309, -35.9616, 28.7847

Details

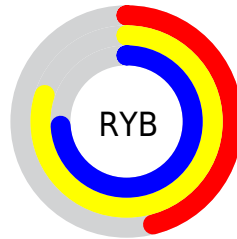
The CIELCh color **76, 53.813, 136.861** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **60, 54.661, 321.231**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 49.533, 136.336**, and **56, 53.569, 136.945** is the 20% darker color. If you saturate the color by 10%, you get **75, 65.508, 136.152**, and if you desaturate by 10%, it is **77, 41.541, 137.547**.

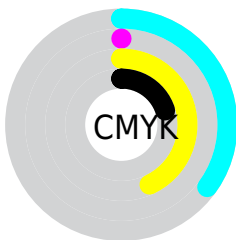
Distribution



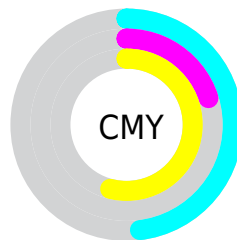
- Red (52%)
- Green (80%)
- Blue (46%)



- Red (46%)
- Yellow (80%)
- Blue (74%)



- Cyan (35%)
- Magenta (0%)
- Yellow (43%)
- Black (20%)





- Cyan (48%)
- Magenta (20%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 53.813, 136.861 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, 53.813, 136.861 by changing the saturation by 10% instead.


 76, 53.813,
136.861


 76, 53.813,
136.861


 100, 53.813,
136.861


 66, 53.813,
136.861


 96, 53.813,
136.861

 56, 53.813,
136.861

 46, 53.813,
136.861

 36, 53.813,
136.861

 26, 53.813,
136.861

 16, 53.813,
136.861

 6, 53.813, 136.861

0, 53.813, 136.861

76, 53.813,
136.861

76, 53.813,
136.861

75, 65.508,
136.152

77, 41.541,
137.547

74, 76.254,
135.476

79, 28.966,
138.178

73, 85.576,
134.931

80, 16.294,
138.745

73, 92.934,
134.641

82, 3.675, 139.281

72, 97.874,
134.723

84, 8.783, 319.622

72, 100.086,
134.920

86, 21.008,
320.001

88, 30.567,

322.846

■ 88, 31.402,
325.517

Harmonies

Complementary

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



76, 53.813, 136.861



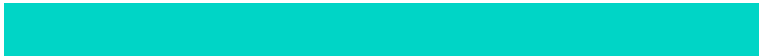
60, 54.661, 321.231

Rectangle

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



76, 53.813, 136.861



76, 53.813, 186.861



76, 53.813, 316.861



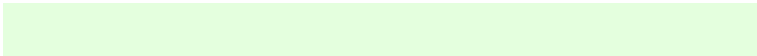
76, 53.813, 6.861

Sweetspot

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



76, 53.814, 136.862



97, 19.548, 138.733



76, 38.562, 96.392



52, 13.691, 138.611



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, 53.814, 136.862



91, 76.872, 136.172



76, 45.253, 151.096



42, 7.102, 138.932



59, 85.334, 134.787



12, 27.187, 139.239

Inverse Universe

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



60, 54.661, 321.231



68, 78.160, 321.571



61, 45.832, 338.298



40, 7.139, 319.754



34, 85.069, 321.402



4, 27.161, 320.193

Previews

White Background



This preview shows how the CIELCh color 76, 53.813, 136.861 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, 53.813, 136.861 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, 53.813, 136.861

Background



This preview shows how black text looks on a background with the CIELCh color 76, 53.813, 136.861.

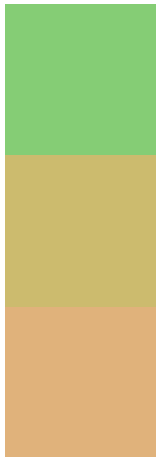


This preview shows how white text looks on a background with the CIELCh color 76, 53.813, 136.861.

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, 53.813, 136.861

Protanopia

76, 41.254, 96.172

Deuteranopia

76, 35.763, 74.166



Tritanopia
76, 16.953, 229.210

Trichromacy



Original Color
76, 53.813, 136.861



Protanomaly
76, 42.887, 115.070



Deuteranomaly
75, 35.472, 104.756

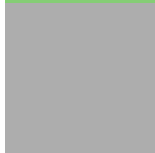


Tritanomaly
76, 23.091, 166.752

Monochromacy



Original Color
76, 53.813, 136.861



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 20.235, 139.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 53.813, 136.861 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(133, 205, 117)` looks like.

```
.text, #text, p{  
    color:rgb(133, 205, 117)  
}
```

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(133, 205, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 205, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 53.813, 136.861 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(133, 205, 117) }
```

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

```
.border{ border-color:rgb(133, 205, 117) }
```

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

Here you see how a box with a 4 pixel rgb(133, 205, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 205, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 205, 117);  
box-shadow:4px 4px 4px 4px rgb(133, 205,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 53.813, 136.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 205, 117) }
```

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

```
.background{ background-color: rgb(133,  
205, 117) }
```

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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