

Converting Colors

CIELCh(74, 80.202, 135.840)

Have a look what the booklet for
CIELCh(74, 80.202, 135.840)
contains.

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Color

CIELCh(74, 80.203, 135.860)

Conversions

Conversions Part 1

Format	Color
Hex	5BCE46
RGB	91, 206, 70
RGB Percent	36%, 81%, 27%
CMY	0.6440, 0.1929, 0.7262
CMYK	0.56, 0.00, 0.66, 0.19
HSL	111°, 58%, 54%
HSV	111°, 66%, 81%
XYZ	27.4187, 46.7039, 13.3338
YIQ	156.1110, -24.8840, -66.6760

Conversions

Conversions Part 2

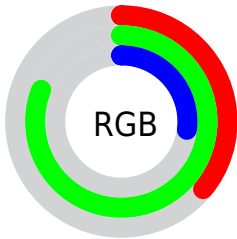
Format	Color
RYB	70, 206, 185
Decimal	6016582
CIELab	74.00, -57.56, 55.85
CIELCh	74, 80.203, 135.860
Yxy	46.7039, 0.3135, 0.5340
Android (android.graphics.Color)	4284206662 (0xFF5BCE46)
YUV	156.1110, -42.4527, -57.1023
Hunter-Lab	68.3403, -47.9798, 36.2702

Details

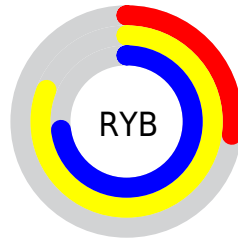
The CIELCh color **74, 80.203, 135.860** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **51, 80.922, 322.754**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 75.477, 135.611**, and **54, 80.396, 135.838** is the 20% darker color. If you saturate the color by 10%, you get **73, 88.983, 135.304**, and if you desaturate by 10%, it is **75, 69.787, 136.572**.

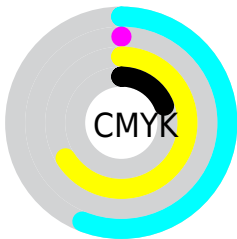
Distribution



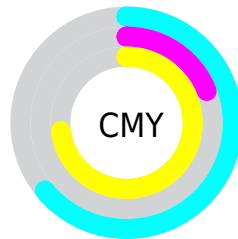
- Red (36%)
- Green (81%)
- Blue (27%)



- Red (27%)
- Yellow (81%)
- Blue (73%)



- Cyan (56%)
- Magenta (0%)
- Yellow (66%)
- Black (19%)





- Cyan (64%)
- Magenta (19%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 80.203, 135.860 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 74, 80.203, 135.860 by changing the saturation by 10% instead.


 74, 80.203,
135.860

 74, 80.203,
135.860


 100, 80.203,
135.860


 64, 80.203,
135.860


 94, 80.203,
135.860

 54, 80.203,
135.860

 44, 80.203,
135.860

 34, 80.203,
135.860

 24, 80.203,
135.860

 14, 80.203,
135.860

 4, 80.203, 135.860

■ 0, 80.203, 135.860

■ 74, 80.203,
135.860

■ 74, 80.203,
135.860

■ 73, 88.983,
135.304

■ 75, 69.787,
136.572

■ 73, 95.581,
135.033

■ 76, 58.243,
137.330

■ 73, 99.642,
135.137

■ 77, 45.986,
138.068

■ 72, 100.772,
135.190

■ 78, 33.331,
138.748

■ 80, 20.514,
139.358

■ 82, 7.709, 139.906

■ 83, 4.958, 320.289

■ 85, 17.400,
320.714

■ 88, 29.536,
321.080

Harmonies

Complementary

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



74, 80.203, 135.860



51, 80.922, 322.754

Rectangle

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



74, 80.203, 135.860



74, 80.203, 185.860



74, 80.203, 315.860



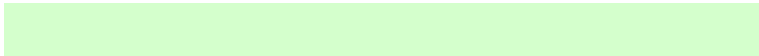
74, 80.203, 5.860

Sweetspot

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



74, 80.203, 135.861



96, 30.407, 139.112



74, 58.653, 94.698



51, 20.754, 138.938



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 80.203, 135.861



89, 107.951, 135.157



74, 66.101, 148.471



42, 7.163, 139.728



59, 85.655, 135.071



12, 27.409, 139.824

Inverse Universe

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



51, 80.922, 322.754



58, 108.075, 322.823



52, 65.742, 341.608



40, 7.196, 320.574



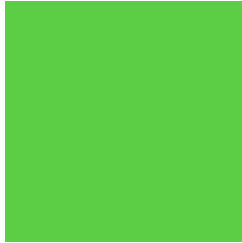
35, 84.766, 322.389



4, 27.456, 321.368

Previews

White Background



This preview shows how the CIE LCh color 74, 80.203, 135.860 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 74, 80.203, 135.860 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 74, 80.203, 135.860

Background



This preview shows how black text looks on a background with the CIELCh color 74, 80.203, 135.860.



This preview shows how white text looks on a background with the CIELCh color 74, 80.203, 135.860.

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

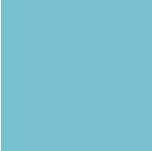
74, 80.203, 135.860

Protanopia

74, 60.430, 95.415

Deuteranopia

73, 53.591, 80.243



Tritanopia
74, 24.032, 219.179

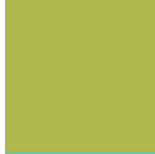
Trichromacy



Original Color
74, 80.203, 135.860



Protanomaly
73, 63.625, 115.087



Deuteranomaly
72, 55.034, 108.870



Tritanomaly
73, 37.347, 162.196

Monochromacy



Original Color
74, 80.203, 135.860



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 31.508, 138.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 80.203, 135.860 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(91, 206, 70)` looks like.

```
.text, #text, p{  
    color:rgb(91, 206, 70)  
}
```

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(91, 206, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 206, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 80.203, 135.860 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(91, 206, 70) }
```

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

```
.border{ border-color:rgb(91, 206, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 206, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 206, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 206, 70);  
box-shadow:4px 4px 4px 4px rgb(91, 206,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 80.203, 135.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 206, 70) }
```

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

```
.background{ background-color: rgb(91, 206,  
70) }
```

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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