

Converting Colors

CIELCh(74, 87.667, 135.787)

Have a look what the booklet for
CIELCh(74, 87.667, 135.787)
contains.

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Color

CIELCh(74, 87.740, 135.849)

Conversions

Conversions Part 1

Format	Color
Hex	4BD038
RGB	75, 208, 56
RGB Percent	29%, 82%, 22%
CMY	0.7040, 0.1859, 0.7821
CMYK	0.64, 0.00, 0.73, 0.19
HSL	112°, 62%, 52%
HSV	112°, 73%, 81%
XYZ	26.0967, 46.7039, 11.3251
YIQ	150.9050, -30.4760, -75.4680

Conversions

Conversions Part 2

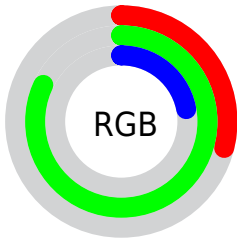
Format	Color
RYB	56, 208, 189
Decimal	4968504
CIELab	74.00, -62.95, 61.12
CIELCh	74, 87.740, 135.849
Yxy	46.7039, 0.3102, 0.5552
Android (android.graphics.Color)	4283158584 (0xFF4BD038)
YUV	150.9050, -46.7882, -66.5687
Hunter-Lab	68.3403, -51.4326, 38.0129

Details

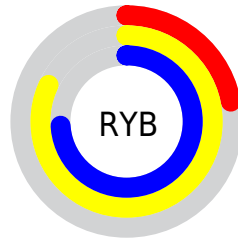
The CIELCh color **74, 87.740, 135.849** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **49, 87.777, 323.576**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 82.118, 135.717**, and **55, 81.411, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **73, 95.002, 135.410**, and if you desaturate by 10%, it is **75, 78.390, 136.528**.

Distribution



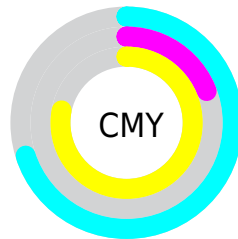
- Red (29%)
- Green (82%)
- Blue (22%)



- Red (22%)
- Yellow (82%)
- Blue (74%)



- Cyan (64%)
- Magenta (0%)
- Yellow (73%)
- Black (19%)



- Cyan (70%)
- Magenta (19%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 87.740, 135.849 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, 87.740, 135.849 by changing the saturation by 10% instead.

 74, 87.740,
135.849

 74, 87.740,
135.849

 100, 87.740,
135.849

 64, 87.740,
135.849

 94, 87.740,
135.849

 54, 87.740,
135.849

 44, 87.740,
135.849

 34, 87.740,
135.849

 24, 87.740,
135.849

 14, 87.740,
135.849

 4, 87.740, 135.849

■ 0, 87.740, 135.849

■ 74, 87.740,
135.849

■ 74, 87.740,
135.849

■ 73, 95.002,
135.410

■ 75, 78.390,
136.528

■ 73, 99.731,
135.324

■ 76, 67.507,
137.315

■ 73, 101.688,
135.385

■ 77, 55.586,
138.116

■ 78, 43.023,
138.874

■ 79, 30.121,
139.561

■ 81, 17.106,
140.170

■ 83, 4.145, 140.735

■ 85, 8.643, 321.101

■ 87, 21.174,
321.501

Harmonies

Complementary

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



74, 87.740, 135.849



49, 87.777, 323.576

Rectangle

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



74, 87.740, 135.849



74, 87.740, 185.849



74, 87.740, 315.849



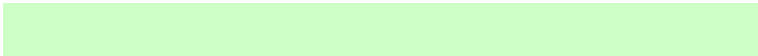
74, 87.740, 5.849

Sweetspot

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



74, 87.740, 135.850



95, 33.706, 139.623



76, 65.615, 96.072



50, 22.651, 139.444



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, 87.740, 135.850



88, 114.534, 135.312



74, 70.309, 148.548



43, 7.364, 140.384



60, 86.874, 135.284



13, 29.323, 139.389

Inverse Universe

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



49, 87.777, 323.576



56, 113.321, 323.472



50, 69.346, 344.561



41, 7.393, 321.254



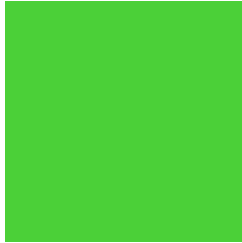
36, 85.497, 323.228



5, 29.979, 322.912

Previews

White Background



This preview shows how the CIE LCh color 74, 87.740, 135.849 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, 87.740, 135.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

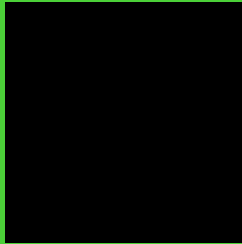
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 87.740, 135.849

Background



This preview shows how black text looks on a background with the CIELCh color 74, 87.740, 135.849.



This preview shows how white text looks on a background with the CIELCh color 74, 87.740, 135.849.

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, 87.870, 135.962

Protanopia

73, 65.589, 95.566

Deuteranopia

73, 58.920, 80.459

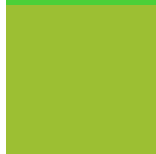


Tritanopia
74, 26.499, 215.656

Trichromacy



Original Color
74, 87.870, 135.962



Protanomaly
73, 69.678, 116.163



Deuteranomaly
72, 60.659, 109.641



Tritanomaly
73, 42.918, 160.852

Monochromacy



Original Color
74, 87.870, 135.962



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 36.052, 138.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 87.740, 135.849 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(75, 208, 56)` looks like.

```
.text, #text, p{  
    color:rgb(75, 208, 56)  
}
```

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(75, 208, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 208, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 87.740, 135.849 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(75, 208, 56) }
```

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

```
.border{ border-color:rgb(75, 208, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 208, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 208, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 208, 56);  
box-shadow:4px 4px 4px 4px rgb(75, 208,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 87.740, 135.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 208, 56) }
```

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

```
.background{ background-color: rgb(75, 208,  
56) }
```

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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