

Converting Colors

CIELCh(77, 75.129, 145.587)

Have a look what the booklet for
CIELCh(77, 75.129, 145.587)
contains.

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Color

CIELCh(77, 74.919, 145.589)

Conversions

Conversions Part 1

Format	Color
Hex	43D86B
RGB	67, 216, 107
RGB Percent	26%, 85%, 42%
CMY	0.7358, 0.1518, 0.5794
CMYK	0.69, 0.00, 0.50, 0.15
HSL	136°, 66%, 56%
HSV	136°, 69%, 85%
XYZ	29.6369, 51.5317, 22.3658
YIQ	159.0230, -53.8150, -65.4870

Conversions

Conversions Part 2

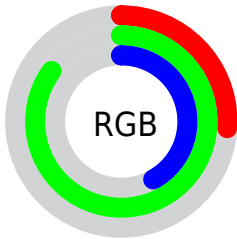
Format	Color
RYB	67, 184, 216
Decimal	4446315
CIELab	77.00, -61.81, 42.34
CIELCh	77, 74.919, 145.589
Yxy	51.5317, 0.2863, 0.4977
Android (android.graphics.Color)	4282636395 (0xFF43D86B)
YUV	159.0230, -25.6473, -80.7042
Hunter-Lab	71.7856, -51.9305, 31.7773

Details

The CIELCh color **77, 74.919, 145.589** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **54, 73.262, 338.530**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 64.537, 147.127**, and **57, 71.696, 143.031** is the 20% darker color. If you saturate the color by 10%, you get **76, 83.096, 143.872**, and if you desaturate by 10%, it is **78, 65.636, 147.141**.

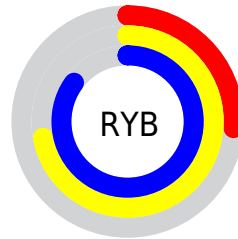
Distribution



Red (26%)

Green (85%)

Blue (42%)



Red (26%)

Yellow (72%)

Blue (85%)

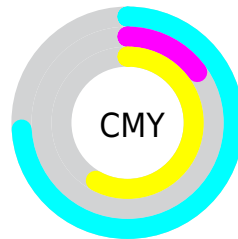


Cyan (69%)

Magenta (0%)

Yellow (50%)

Black (15%)



Cyan (74%)

Magenta (15%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 74.919, 145.589 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 77, 74.919, 145.589 by changing the saturation by 10% instead.

 77, 74.919,
145.589

 77, 74.919,
145.589

 100, 74.919,
145.589

 67, 74.919,
145.589

 97, 74.919,
145.589

 57, 74.919,
145.589

 47, 74.919,
145.589

 37, 74.919,
145.589

 27, 74.919,
145.589

 17, 74.919,
145.589

 7, 74.919, 145.589

0, 74.919, 145.589

77, 74.919,
145.589

77, 74.919,
145.589

76, 83.096,
143.872

78, 65.636,
147.141

76, 90.002,
142.037

79, 55.451,
148.513

76, 95.582,
140.199

80, 44.595,
149.711

76, 96.159,
140.008

81, 33.298,
150.750

83, 21.767,
151.652

85, 10.180,
152.448

■ 87, 1.323, 332.828

■ 89, 12.638,
333.657

■ 91, 22.105,
329.249

Harmonies

Complementary

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



77, 74.919, 145.589



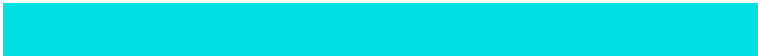
54, 73.262, 338.530

Rectangle

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



77, 74.919, 145.589



77, 74.919, 195.589



77, 74.919, 325.589



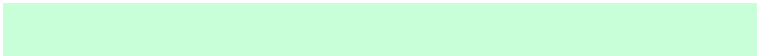
77, 74.919, 15.589

Sweetspot

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



77, 74.920, 145.589



96, 27.723, 151.451



81, 73.706, 116.950



50, 18.765, 151.205



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 74.920, 145.589



88, 98.132, 142.979



78, 47.452, 172.948



44, 6.479, 152.405



61, 80.052, 140.330



14, 27.948, 146.014

Inverse Universe

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



54, 73.262, 338.530



59, 91.624, 340.297



51, 61.652, 12.914



42, 6.508, 333.609



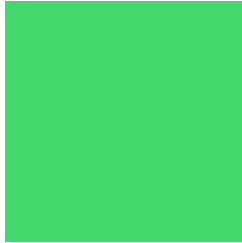
38, 69.913, 342.474



6, 27.074, 339.307

Previews

White Background



This preview shows how the CIELCh color 77, 74.919, 145.589 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 77, 74.919, 145.589 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 77, 74.919, 145.589

Background



This preview shows how black text looks on a background with the CIELCh color 77, 74.919, 145.589.

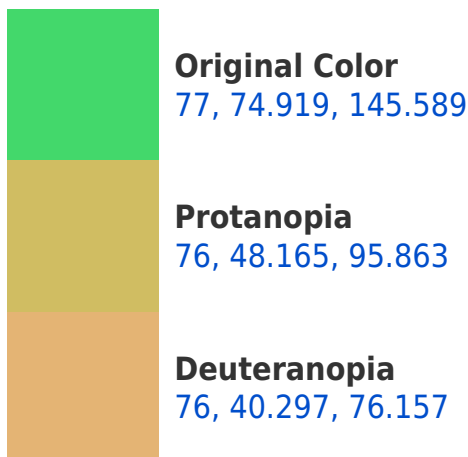


This preview shows how white text looks on a background with the CIELCh color 77, 74.919, 145.589.

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



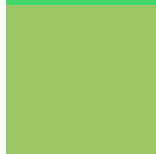


Tritanopia
77, 30.077, 214.221

Trichromacy



Original Color
77, 74.919, 145.589



Protanomaly
75, 53.499, 124.170



Deuteranomaly
75, 43.009, 118.913



Tritanomaly
76, 40.251, 173.609

Monochromacy



Original Color
77, 74.919, 145.589



Achromatopsia
65, 0.008, 296.813



Achromatomaly
69, 30.008, 150.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 74.919, 145.589 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(67, 216, 107)` looks like.

```
.text, #text, p{  
    color:rgb(67, 216, 107)  
}
```

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(67, 216, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 216, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 74.919, 145.589 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(67, 216, 107) }
```

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

```
.border{ border-color:rgb(67, 216, 107) }
```

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

Here you see how a box with a 4 pixel rgb(67, 216, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 216, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 216, 107);  
box-shadow:4px 4px 4px 4px rgb(67, 216,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 74.919, 145.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 216, 107) }
```

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

```
.background{ background-color: rgb(67, 216,  
107) }
```

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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