

Converting Colors

CIELCh(77, 54.003, 147.002)

Have a look what the booklet for
CIELCh(77, 54.003, 147.002)
contains.

CIELCh(77, 54.187, 147.171)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 54.187, 147.171)

Conversions

Conversions Part 1	
Format	Color
Hex	70D386
RGB	112, 211, 134
RGB Percent	44%, 83%, 53%
CMY	0.5623, 0.1740, 0.4759
CMYK	0.47, 0.00, 0.37, 0.17
HSL	133°, 53%, 63%
HSV	133°, 47%, 83%
XYZ	34.1131, 51.5317, 30.5751
YIQ	172.6210, -34.2870, -44.9350

Conversions

Conversions Part 2

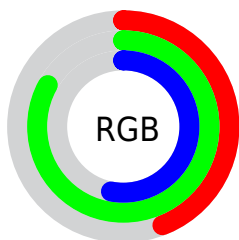
Format	Color
RYB	112, 193, 211
Decimal	7394182
CIELab	77.00, -45.53, 29.38
CIELCh	77, 54.187, 147.171
Yxy	51.5317, 0.2935, 0.4434
Android (android.graphics.Color)	4285584262 (0xFF70D386)
YUV	172.6210, -19.0402, -53.1646
Hunter-Lab	71.7856, -40.8003, 24.9970

Details

The CIELCh color **77, 54.187, 147.171** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **61, 54.260, 334.546**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 45.988, 148.559**, and **57, 54.549, 146.965** is the 20% darker color. If you saturate the color by 10%, you get **76, 64.652, 145.865**, and if you desaturate by 10%, it is **78, 43.080, 148.311**.

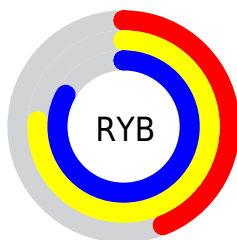
Distribution



Red (44%)

Green (83%)

Blue (53%)



Red (44%)

Yellow (76%)

Blue (83%)

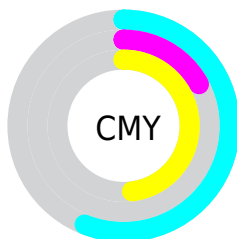


Cyan (47%)

Magenta (0%)

Yellow (37%)

Black (17%)



Cyan (56%)


Magenta (17%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 54.187, 147.171 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, 54.187, 147.171 by changing the saturation by 10% instead.


 77, 54.187,
147.171


 77, 54.187,
147.171


 100, 54.187,
147.171


 67, 54.187,
147.171


 97, 54.187,
147.171

 57, 54.187,
147.171

 47, 54.187,
147.171

 37, 54.187,
147.171

 27, 54.187,
147.171

 17, 54.187,
147.171

 7, 54.187, 147.171

0, 54.187, 147.171

77, 54.187,
147.171

77, 54.187,
147.171

76, 64.652,
145.865

78, 43.080,
148.311

75, 74.221,
144.392

80, 31.568,
149.299

75, 82.651,
142.772

81, 19.863,
150.155

74, 89.731,
141.060

83, 8.139, 150.913

74, 95.312,
139.358

85, 3.468, 331.414

74, 96.733,
138.908

87, 14.860,
332.039

89, 25.071,

329.933

 89, 27.815,
325.393

Harmonies

Complementary

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



77, 54.187, 147.171



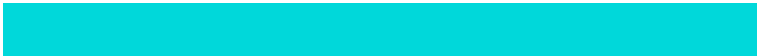
61, 54.260, 334.546

Rectangle

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



77, 54.187, 147.171



77, 54.187, 197.171



77, 54.187, 327.171



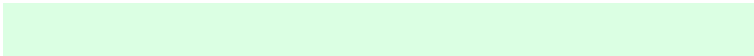
77, 54.187, 17.171

Sweetspot

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



77, 54.188, 147.171



97, 19.080, 150.379



81, 51.384, 115.574



51, 13.183, 150.208



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, 54.188, 147.171



90, 74.230, 145.919



78, 36.107, 172.149



43, 6.566, 150.736



60, 81.313, 139.189



13, 27.237, 145.995

Inverse Universe

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



61, 54.260, 334.546



68, 73.737, 335.296



59, 41.977, 3.304



41, 6.589, 331.893



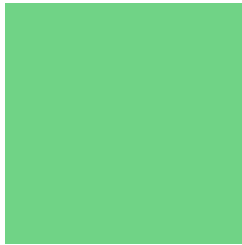
38, 71.387, 339.461



5, 26.196, 336.753

Previews

White Background



This preview shows how the CIELCh color 77, 54.187, 147.171 looks on a white background.

Color Contrast Check

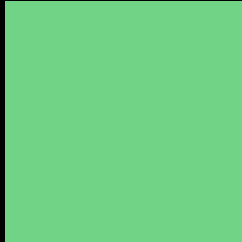
Large Text (above 18pt) WCAG AA × Fail

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, 54.187, 147.171 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, 54.187, 147.171

Background



This preview shows how black text looks on a background with the CIELCh color 77, 54.187, 147.171.

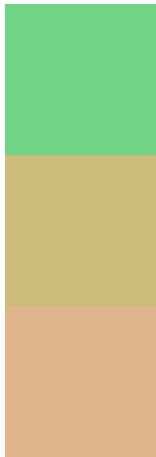


This preview shows how white text looks on a background with the CIELCh color 77, 54.187, 147.171.

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

77, 54.187, 147.171

Protanopia

77, 34.576, 95.807

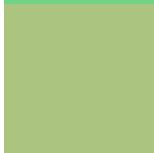
Deuteranopia

76, 28.309, 70.147





Tritanopia
77, 23.296, 219.770

Trichromacy

	Original Color 77, 54.187, 147.171
	Protanomaly 76, 37.820, 122.838
	Deuteranomaly 76, 28.884, 114.677
	Tritanomaly 77, 28.494, 178.501

Monochromacy

	Original Color 77, 54.187, 147.171
	Achromatopsia 70, 0.009, 296.813
	Achromatomaly 72, 20.451, 149.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 54.187, 147.171 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(112, 211, 134)` looks like.

```
.text, #text, p{  
    color:rgb(112, 211, 134)  
}
```

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(112, 211, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 211, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 54.187, 147.171 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(112, 211, 134) }
```

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

```
.border{ border-color:rgb(112, 211, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 211, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 211, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 211, 134);  
box-shadow:4px 4px 4px 4px rgb(112, 211,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 54.187, 147.171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 211, 134) }
```

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

```
.background{ background-color: rgb(112,  
211, 134) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor