

Converting Colors

CIELCh(77, 66.983, 137.296)

Have a look what the booklet for
CIELCh(77, 66.983, 137.296)
contains.

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Color

CIELCh(77, 66.613, 137.497)

Conversions

Conversions Part 1

Format	Color
Hex	74D366
RGB	116, 211, 102
RGB Percent	45%, 83%, 40%
CMY	0.5433, 0.1707, 0.5983
CMYK	0.45, 0.00, 0.52, 0.17
HSL	112°, 56%, 62%
HSV	112°, 52%, 83%
XYZ	33.0932, 51.5317, 20.8834
YIQ	170.1690, -21.6310, -54.0390

Conversions

Conversions Part 2

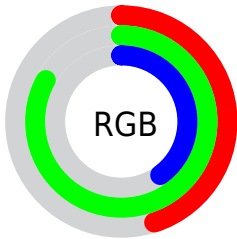
Format	Color
RYB	102, 211, 197
Decimal	7656294
CIELab	77.00, -49.11, 45.01
CIELCh	77, 66.613, 137.497
Yxy	51.5317, 0.3137, 0.4884
Android (android.graphics.Color)	4285846374 (0xFF74D366)
YUV	170.1690, -33.6073, -47.5062
Hunter-Lab	71.7856, -43.3363, 33.0017

Details

The CIELCh color **77, 66.613, 137.497** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **58, 67.203, 323.179**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 58.875, 137.134**, and **57, 66.623, 137.503** is the 20% darker color. If you saturate the color by 10%, you get **76, 77.865, 136.696**, and if you desaturate by 10%, it is **78, 54.377, 138.300**.

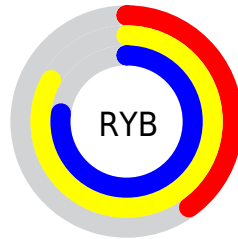
Distribution



Red (45%)

Green (83%)

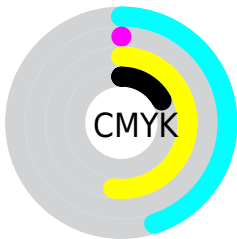
Blue (40%)



Red (40%)

Yellow (83%)

Blue (77%)

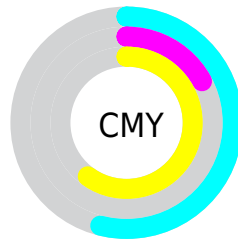


Cyan (45%)

Magenta (0%)

Yellow (52%)

Black (17%)



Cyan (54%)


Magenta (17%)

Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 66.613, 137.497 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, 66.613, 137.497 by changing the saturation by 10% instead.

 77, 66.613,
137.497

 77, 66.613,
137.497


 100, 66.613,
137.497

 67, 66.613,
137.497


 97, 66.613,
137.497

 57, 66.613,
137.497

 47, 66.613,
137.497

 37, 66.613,
137.497

 27, 66.613,
137.497

 17, 66.613,
137.497

 7, 66.613, 137.497

0, 66.613, 137.497

77, 66.613,
137.497

77, 66.613,
137.497

76, 77.865,
136.696

78, 54.377,
138.300

75, 87.640,
135.986

79, 41.541,
139.051

75, 95.379,
135.491

81, 28.400,
139.728

74, 100.590,
135.336

83, 15.176,
140.328

74, 103.146,
135.410

84, 2.031, 140.941

86, 10.921,
321.242

■ 89, 23.601,
321.628

■ 90, 27.284,
325.375

Harmonies

Complementary

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



77, 66.613, 137.497



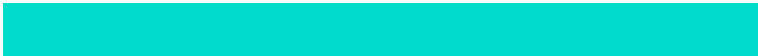
58, 67.203, 323.179

Rectangle

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



77, 66.613, 137.497



77, 66.613, 187.497



77, 66.613, 317.497



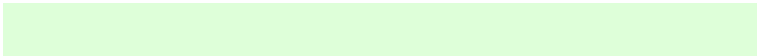
77, 66.613, 7.497

Sweetspot

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



77, 66.614, 137.498



97, 22.955, 140.121



79, 49.266, 98.415



51, 15.673, 139.993



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, 66.614, 137.498



90, 91.010, 136.612



77, 52.913, 151.985



43, 7.369, 140.449



60, 86.895, 135.303



13, 29.344, 139.437

Inverse Universe

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



58, 67.203, 323.179



64, 91.520, 323.493



58, 53.874, 341.641



41, 7.398, 321.321



36, 85.475, 323.312



5, 30.000, 323.002

Previews

White Background



This preview shows how the CIELCh color 77, 66.613, 137.497 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, 66.613, 137.497 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, 66.613, 137.497

Background



This preview shows how black text looks on a background with the CIELCh color 77, 66.613, 137.497.

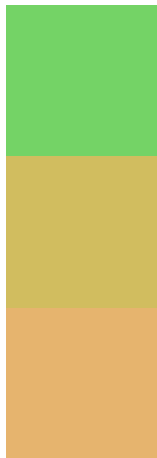


This preview shows how white text looks on a background with the CIELCh color 77, 66.613, 137.497.

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, 66.613, 137.497

Protanopia
77, 49.668, 95.489

Deuteranopia
76, 43.528, 76.822



Tritanopia
77, 21.052, 222.411

Trichromacy



Original Color
77, 66.613, 137.497



Protanomaly
76, 51.829, 115.649



Deuteranomaly
76, 43.909, 107.101



Tritanomaly
77, 30.676, 165.440

Monochromacy



Original Color
77, 66.613, 137.497



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 25.546, 139.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 66.613, 137.497 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(116, 211, 102)` looks like.

```
.text, #text, p{  
    color:rgb(116, 211, 102)  
}
```

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(116, 211, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 211, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 66.613, 137.497 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(116, 211, 102) }
```

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

```
.border{ border-color:rgb(116, 211, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 211, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 211, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 211, 102);  
box-shadow:4px 4px 4px 4px rgb(116, 211,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 66.613, 137.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 211, 102) }
```

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

```
.background{ background-color: rgb(116,  
211, 102) }
```

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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