

Converting Colors

CIELCh(78, 57.188, 144.433)

Have a look what the booklet for
CIELCh(78, 57.188, 144.433)
contains.

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Color

CIELCh(78, 57.183, 144.448)

Conversions

Conversions Part 1

Format	Color
Hex	74D681
RGB	116, 214, 129
RGB Percent	45%, 84%, 51%
CMY	0.5463, 0.1619, 0.4952
CMYK	0.46, 0.00, 0.40, 0.16
HSL	128°, 54%, 65%
HSV	128°, 46%, 84%
XYZ	35.0782, 53.2120, 29.0954
YIQ	175.0080, -31.1230, -47.2110

Conversions

Conversions Part 2

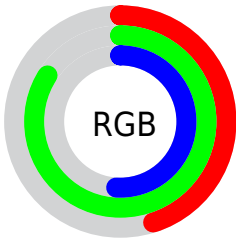
Format	Color
RYB	116, 203, 214
Decimal	7657089
CIELab	78.00, -46.52, 33.25
CIElCh	78, 57.183, 144.448
Yxy	53.2120, 0.2988, 0.4533
Android (android.graphics.Color)	4285847169 (0xFF74D681)
YUV	175.0080, -22.6819, -51.7500
Hunter-Lab	72.9466, -41.8202, 27.4143

Details

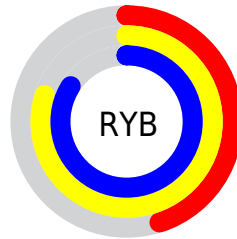
The CIELCh color **78, 57.183, 144.448** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **62, 57.017, 331.069**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 47.162, 145.525**, and **58, 57.122, 144.425** is the 20% darker color. If you saturate the color by 10%, you get **77, 68.520, 143.223**, and if you desaturate by 10%, it is **79, 45.134, 145.526**.

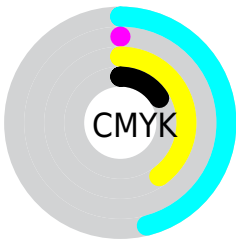
Distribution



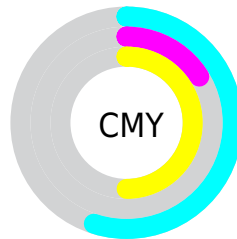
- Red (45%)
- Green (84%)
- Blue (51%)



- Red (45%)
- Yellow (80%)
- Blue (84%)



- Cyan (46%)
- Magenta (0%)
- Yellow (40%)
- Black (16%)



- Cyan (55%)
- Magenta (16%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 57.183, 144.448 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 78, 57.183, 144.448 by changing the saturation by 10% instead.

 78, 57.183,
144.448

 78, 57.183,
144.448

 100, 57.183,
144.448

 68, 57.183,
144.448

 98, 57.183,
144.448

 58, 57.183,
144.448

 48, 57.183,
144.448

 38, 57.183,
144.448

 28, 57.183,
144.448

 18, 57.183,
144.448

 8, 57.183, 144.448

0, 57.183, 144.448

78, 57.183,
144.448

78, 57.183,
144.448

77, 68.520,
143.223

79, 45.134,
145.526

76, 78.820,
141.866

81, 32.656,
146.461

76, 87.744,
140.422

82, 19.993,
147.267

75, 94.959,
138.978

84, 7.339, 147.979

75, 100.183,
137.660

86, 5.161, 328.465

89, 17.404,
329.011

75, 101.790,
137.230

90, 25.875,

Harmonies

Complementary

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



78, 57.183, 144.448



62, 57.017, 331.069

Rectangle

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



78, 57.183, 144.448



78, 57.183, 194.448



78, 57.183, 324.448



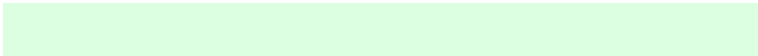
78, 57.183, 14.448

Sweetspot

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



78, 57.184, 144.448



97, 20.357, 147.395



83, 50.232, 111.182



51, 14.067, 147.232



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 57.184, 144.448



90, 77.915, 143.262



79, 38.834, 165.554



44, 7.145, 147.731



61, 85.746, 137.427



14, 30.047, 143.342

Inverse Universe

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



62, 57.017, 331.069



69, 77.129, 331.661



61, 42.746, 355.962



42, 7.161, 328.822



39, 77.191, 334.301



6, 29.895, 332.896

Previews

White Background



This preview shows how the CIELCh color 78, 57.183, 144.448 looks on a white background.

Color Contrast Check

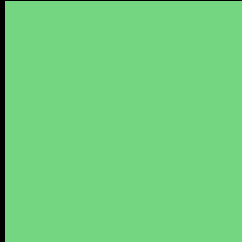
Large Text (above 18pt) WCAG AA × Fail

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 78, 57.183, 144.448 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 78, 57.183, 144.448

Background



This preview shows how black text looks on a background with the CIELCh color 78, 57.183, 144.448.

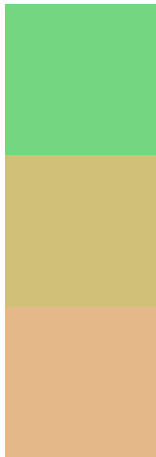


This preview shows how white text looks on a background with the CIELCh color 78, 57.183, 144.448.

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

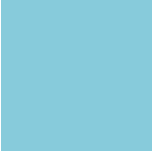
78, 57.183, 144.448

Protanopia

78, 38.600, 95.942

Deuteranopia

78, 31.840, 72.554



Tritanopia
78, 22.796, 220.267

Trichromacy



Original Color
78, 57.183, 144.448



Protanomaly
77, 41.525, 120.589



Deuteranomaly
77, 32.867, 112.792



Tritanomaly
78, 29.218, 174.527

Monochromacy



Original Color
78, 57.183, 144.448



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 21.661, 147.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 57.183, 144.448 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, 214, 129)` looks like.

```
.text, #text, p{  
    color:rgb(116, 214, 129)  
}
```

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, 214, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 214, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 57.183, 144.448 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, 214, 129) }
```

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

```
.border{ border-color:rgb(116, 214, 129) }
```

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

Here you see how a box with a 4 pixel rgb(116, 214, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 214, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 214, 129);  
box-shadow:4px 4px 4px 4px rgb(116, 214,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 57.183, 144.448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 214, 129) }
```

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

```
.background{ background-color: rgb(116,  
214, 129) }
```

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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