

Converting Colors

CIELCh(76, 61.493, 136.778)

Have a look what the booklet for
CIELCh(76, 61.493, 136.778)
contains.

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Color

CIELCh(76, 61.493, 136.778)

Conversions

Conversions Part 1

Format	Color
Hex	7BCF6A
RGB	123, 207, 106
RGB Percent	48%, 81%, 42%
CMY	0.5176, 0.1882, 0.5842
CMYK	0.41, 0.00, 0.49, 0.19
HSL	110°, 51%, 61%
HSV	110°, 49%, 81%
XYZ	33.0902, 49.8872, 21.5251
YIQ	170.3700, -17.6430, -49.2190

Conversions

Conversions Part 2

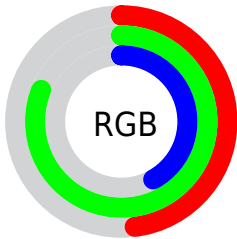
Format	Color
RYB	106, 207, 190
Decimal	8114026
CIELab	76.00, -44.81, 42.11
CIELCh	76, 61.493, 136.778
Yxy	49.8872, 0.3166, 0.4774
Android (android.graphics.Color)	4286304106 (0xFF7BCF6A)
YUV	170.3700, -31.7344, -41.5435
Hunter-Lab	70.6309, -39.9779, 31.3728

Details

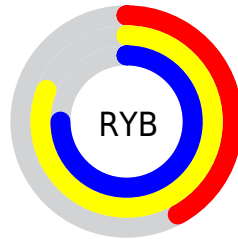
The CIELCh color **76, 61.493, 136.778** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **58, 62.393, 321.862**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 56.085, 136.480**, and **56, 61.639, 136.741** is the 20% darker color. If you saturate the color by 10%, you get **75, 72.802, 136.053**, and if you desaturate by 10%, it is **77, 49.381, 137.505**.

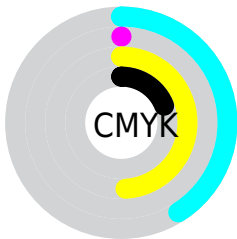
Distribution



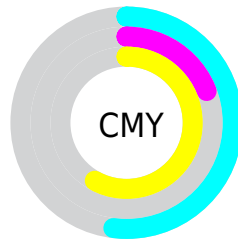
- Red (48%)
- Green (81%)
- Blue (42%)



- Red (42%)
- Yellow (81%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (49%)
- Black (19%)





- Cyan (52%)
- Magenta (19%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 61.493, 136.778 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 76, 61.493, 136.778 by changing the saturation by 10% instead.


 76, 61.493,
136.778

 76, 61.493,
136.778


 100, 61.493,
136.778


 66, 61.493,
136.778


 96, 61.493,
136.778

 56, 61.493,
136.778

 46, 61.493,
136.778

 36, 61.493,
136.778

 26, 61.493,
136.778

 16, 61.493,
136.778

 6, 61.493, 136.778

0, 61.493, 136.778

76, 61.493,
136.778

76, 61.493,
136.778

75, 72.802,
136.053

77, 49.381,
137.505

74, 82.865,
135.407

78, 36.801,
138.186

74, 91.152,
134.957

80, 24.005,
138.803

73, 97.138,
134.832

82, 11.179,
139.354

73, 100.692,
135.045

83, 1.541, 319.659

73, 101.042,
135.061

85, 14.060,
320.192

■ 87, 26.314,
320.545

■ 89, 30.082,
325.472

Harmonies

Complementary

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



76, 61.493, 136.778



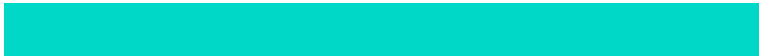
58, 62.393, 321.862

Rectangle

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



76, 61.493, 136.778



76, 61.493, 186.778



76, 61.493, 316.778



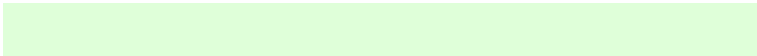
76, 61.493, 6.778

Sweetspot

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



76, 61.494, 136.779



97, 22.670, 139.008



76, 44.033, 95.682



51, 15.478, 138.888



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 61.494, 136.779



90, 86.348, 135.988



76, 51.459, 150.361



43, 7.279, 139.321



60, 86.477, 134.941



13, 28.996, 138.597

Inverse Universe

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



58, 62.393, 321.862



65, 87.531, 322.185



59, 52.017, 338.852



41, 7.314, 320.157



35, 85.881, 321.874



4, 29.627, 321.437

Previews

White Background



This preview shows how the CIELCh color 76, 61.493, 136.778 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 76, 61.493, 136.778 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 76, 61.493, 136.778

Background



This preview shows how black text looks on a background with the CIELCh color 76, 61.493, 136.778.

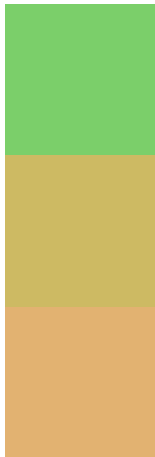


This preview shows how white text looks on a background with the CIELCh color 76, 61.493, 136.778.

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](#).

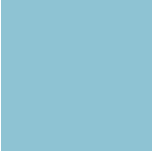
Dichromacy



Original Color
76, 61.493, 136.778

Protanopia
75, 46.346, 95.594

Deuteranopia
76, 40.848, 76.390



Tritanopia
76, 19.023, 225.418

Trichromacy



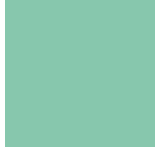
Original Color
76, 61.493, 136.778



Protanomaly
75, 48.409, 115.119



Deuteranomaly
75, 41.485, 106.202



Tritanomaly
75, 26.831, 165.881

Monochromacy



Original Color
76, 61.493, 136.778



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 22.750, 138.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 61.493, 136.778 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(123, 207, 106)` looks like.

```
.text, #text, p{  
    color:rgb(123, 207, 106)  
}
```

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(123, 207, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 207, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 61.493, 136.778 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(123, 207, 106) }
```

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

```
.border{ border-color:rgb(123, 207, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 207, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 207, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 207, 106);  
box-shadow:4px 4px 4px 4px rgb(123, 207,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 61.493, 136.778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 207, 106) }
```

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

```
.background{ background-color: rgb(123,  
207, 106) }
```

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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