

Converting Colors

CIELCh(76, 49.924, 147.804)

Have a look what the booklet for
CIELCh(76, 49.924, 147.804)
contains.

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Color

CIELCh(76, 50.462, 147.681)

Conversions

Conversions Part 1

Format	Color
Hex	73CF88
RGB	115, 207, 136
RGB Percent	45%, 81%, 53%
CMY	0.5501, 0.1893, 0.4677
CMYK	0.45, 0.00, 0.34, 0.19
HSL	134°, 49%, 63%
HSV	134°, 45%, 81%
XYZ	33.7051, 49.8872, 31.0495
YIQ	171.3980, -32.0410, -41.5850

Conversions

Conversions Part 2

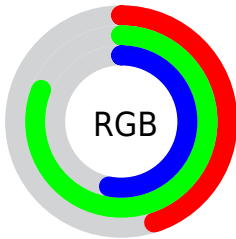
Format	Color
RYB	115, 190, 207
Decimal	7589768
CIELab	76.00, -42.64, 26.98
CIELCh	76, 50.462, 147.681
Yxy	49.8872, 0.2940, 0.4352
Android (android.graphics.Color)	4285779848 (0xFF73CF88)
YUV	171.3980, -17.4512, -49.4610
Hunter-Lab	70.6309, -38.4237, 23.3776

Details

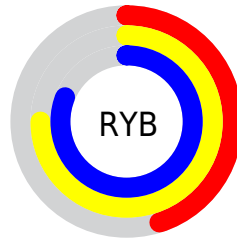
The CIELCh color **76, 50.462, 147.681** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 50.618, 334.595**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 44.760, 148.821**, and **56, 50.651, 147.441** is the 20% darker color. If you saturate the color by 10%, you get **75, 60.909, 146.416**, and if you desaturate by 10%, it is **77, 39.450, 148.782**.

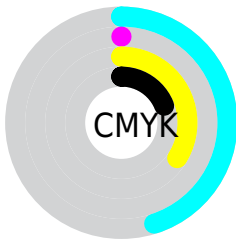
Distribution



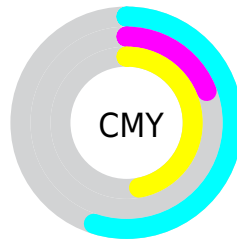
- Red (45%)
- Green (81%)
- Blue (53%)



- Red (45%)
- Yellow (75%)
- Blue (81%)



- Cyan (45%)
- Magenta (0%)
- Yellow (34%)
- Black (19%)





- Cyan (55%)
- Magenta (19%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 50.462, 147.681 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, 50.462, 147.681 by changing the saturation by 10% instead.


 76, 50.462,
147.681


 76, 50.462,
147.681


 100, 50.462,
147.681


 66, 50.462,
147.681


 96, 50.462,
147.681

 56, 50.462,
147.681

 46, 50.462,
147.681

 36, 50.462,
147.681

 26, 50.462,
147.681

 16, 50.462,
147.681

 6, 50.462, 147.681

0, 50.462, 147.681

76, 50.462,
147.681

76, 50.462,
147.681

75, 60.909,
146.416

77, 39.450,
148.782

74, 70.545,
144.981

79, 28.096,
149.736

74, 79.132,
143.390

80, 16.600,
150.565

73, 86.459,
141.683

82, 5.121, 151.318

73, 92.359,
139.942

84, 6.217, 331.819

86, 17.326,
332.390

73, 95.029,
139.067

88, 27.167,

330.241

■ 88, 30.269,
325.478

Harmonies

Complementary

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



76, 50.462, 147.681



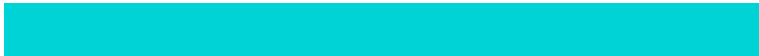
61, 50.618, 334.595

Rectangle

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



76, 50.462, 147.681



76, 50.462, 197.681



76, 50.462, 327.681



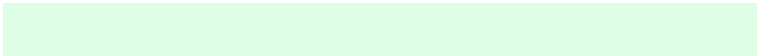
76, 50.462, 17.681

Sweetspot

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



76, 50.463, 147.681



97, 17.632, 150.669



80, 48.088, 115.722



51, 12.349, 150.496



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, 50.463, 147.681



91, 70.334, 146.531



77, 33.919, 172.475



43, 6.538, 150.949



60, 81.040, 139.331



13, 27.150, 146.113

Inverse Universe

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



61, 50.618, 334.595



70, 70.120, 335.308



59, 39.111, 2.812



41, 6.562, 332.112



38, 71.082, 339.840



5, 26.076, 337.053

Previews

White Background



This preview shows how the CIELCh color 76, 50.462, 147.681 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, 50.462, 147.681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

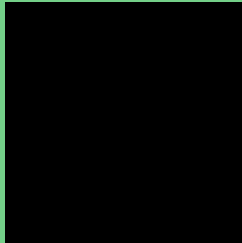
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 50.462, 147.681

Background



This preview shows how black text looks on a background with the CIELCh color 76, 50.462, 147.681.

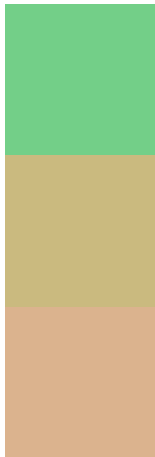


This preview shows how white text looks on a background with the CIELCh color 76, 50.462, 147.681.

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, 50.462, 147.681

Protanopia

76, 32.120, 95.177

Deuteranopia

76, 26.082, 69.010



Tritanopia
76, 22.069, 221.203

Trichromacy



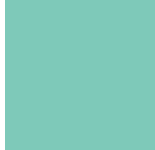
Original Color
76, 50.462, 147.681



Protanomaly
75, 35.214, 122.875



Deuteranomaly
75, 26.311, 114.695

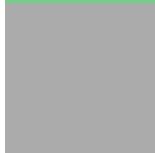


Tritanomaly
76, 26.952, 178.648

Monochromacy



Original Color
76, 50.462, 147.681



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 18.918, 149.730

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 50.462, 147.681 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(115, 207, 136)` looks like.

```
.text, #text, p{  
    color:rgb(115, 207, 136)  
}
```

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(115, 207, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 207, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 50.462, 147.681 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(115, 207, 136) }
```

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

```
.border{ border-color:rgb(115, 207, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 207, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 207, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 207, 136);  
box-shadow:4px 4px 4px 4px rgb(115, 207,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 50.462, 147.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 207, 136) }
```

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

```
.background{ background-color: rgb(115,  
207, 136) }
```

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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