

Converting Colors

CIELCh(76, 48.738, 142.580)

Have a look what the booklet for
CIELCh(76, 48.738, 142.580)
contains.

CIELCh(76, 48.739, 142.677)	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(76, 48.739, 142.677)

Conversions

Conversions Part 1

Format	Color
Hex	80CD83
RGB	128, 205, 131
RGB Percent	50%, 80%, 51%
CMY	0.4981, 0.1961, 0.4863
CMYK	0.38, 0.00, 0.36, 0.20
HSL	122°, 44%, 65%
HSV	122°, 38%, 80%
XYZ	34.8276, 49.8872, 29.2647
YIQ	173.5410, -22.1380, -39.3380

Conversions

Conversions Part 2

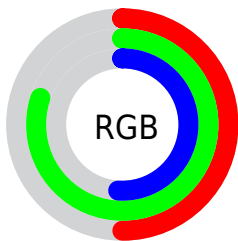
Format	Color
RYB	128, 202, 205
Decimal	8441219
CIELab	76.00, -38.76, 29.55
CIELCh	76, 48.739, 142.677
Yxy	49.8872, 0.3056, 0.4377
Android (android.graphics.Color)	4286631299 (0xFF80CD83)
YUV	173.5410, -20.9727, -39.9395
Hunter-Lab	70.6309, -35.5869, 24.8758

Details

The CIELCh color **76, 48.739, 142.677** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **64, 48.673, 327.566**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 44.272, 143.206**, and **56, 48.475, 142.855** is the 20% darker color. If you saturate the color by 10%, you get **75, 61.010, 141.630**, and if you desaturate by 10%, it is **77, 35.933, 143.598**.

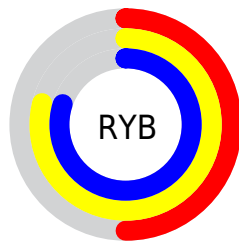
Distribution



Red (50%)

Green (80%)

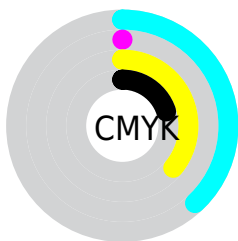
Blue (51%)



Red (50%)

Yellow (79%)

Blue (80%)

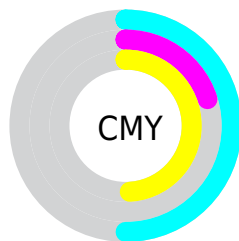


Cyan (38%)

Magenta (0%)

Yellow (36%)

Black (20%)



Cyan (50%)


Magenta (20%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 48.739, 142.677 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, 48.739, 142.677 by changing the saturation by 10% instead.

 76, 48.739,
142.677


 76, 48.739,
142.677

 100, 48.739,
142.677

 66, 48.739,
142.677


 96, 48.739,
142.677

 56, 48.739,
142.677

 46, 48.739,
142.677

 36, 48.739,
142.677

 26, 48.739,
142.677

 16, 48.739,
142.677

 6, 48.739, 142.677

■ 0, 48.739, 142.677

■ 76, 48.739,
142.677

■ 76, 48.739,
142.677

■ 75, 61.010,
141.630

■ 77, 35.933,
143.598

■ 74, 72.388,
140.474

■ 79, 22.878,
144.393

■ 73, 82.457,
139.259

■ 81, 9.797, 145.084

■ 73, 90.750,
138.080

■ 83, 3.142, 325.544

■ 72, 96.813,
137.071

■ 85, 15.824,
326.100

■ 72, 100.377,
136.377

■ 87, 28.171,
326.521

■ 88, 31.355,

■ 72,100.926,
136.294

325.516

Harmonies

Complementary

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



76, 48.739, 142.677



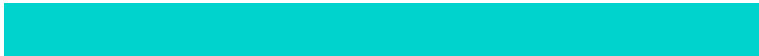
64, 48.673, 327.566

Rectangle

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



76, 48.739, 142.677



76, 48.739, 192.677



76, 48.739, 322.677



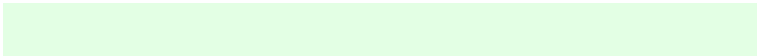
76, 48.739, 12.677

Sweetspot

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



76, 48.740, 142.677



97, 17.054, 144.846



81, 40.022, 108.078



52, 11.468, 144.753



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, 48.740, 142.677



91, 69.109, 141.848



77, 33.445, 161.777



42, 7.329, 144.964



59, 86.005, 136.376



12, 28.149, 143.556

Inverse Universe

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



64, 48.673, 327.566



74, 68.832, 327.978



63, 35.285, 349.308



40, 7.341, 325.999



39, 81.213, 329.831



5, 28.149, 328.781

Previews

White Background



This preview shows how the CIELCh color 76, 48.739, 142.677 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, 48.739, 142.677 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, 48.739, 142.677

Background



This preview shows how black text looks on a background with the CIELCh color 76, 48.739, 142.677.



This preview shows how white text looks on a background with the CIELCh color 76, 48.739, 142.677.

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](#).

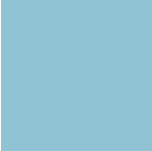
Dichromacy



Original Color
76, 48.739, 142.677

Protanopia
76, 34.160, 95.638

Deuteranopia
76, 28.552, 71.321



Tritanopia
76, 18.505, 226.273

Trichromacy



Original Color
76, 48.739, 142.677



Protanomaly
75, 36.126, 118.516



Deuteranomaly
75, 28.210, 108.301



Tritanomaly
76, 23.324, 174.455

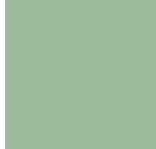
Monochromacy



Original Color
76, 48.739, 142.677



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 18.159, 144.487

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 48.739, 142.677 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(128, 205, 131)` looks like.

```
.text, #text, p{  
    color:rgb(128, 205, 131)  
}
```

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(128, 205, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 205, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 48.739, 142.677 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(128, 205, 131) }
```

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

```
.border{ border-color:rgb(128, 205, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 205, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 205, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 205, 131);  
box-shadow:4px 4px 4px 4px rgb(128, 205,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 48.739, 142.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 205, 131) }
```

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

```
.background{ background-color: rgb(128,  
205, 131) }
```

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