

Converting Colors

CIELCh(76, 39.943, 154.204)

Have a look what the booklet for
CIELCh(76, 39.943, 154.204)
contains.

CIELCh(76, 39.694, 154.195)	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, 39.694, 154.195)

Conversions

Conversions Part 1

Format	Color
Hex	7BCC9A
RGB	123, 204, 154
RGB Percent	48%, 80%, 60%
CMY	0.5166, 0.1989, 0.3951
CMYK	0.40, 0.00, 0.24, 0.20
HSL	143°, 44%, 64%
HSV	143°, 40%, 80%
XYZ	35.7179, 49.8872, 38.4308
YIQ	174.0810, -32.2260, -32.7220

Conversions

Conversions Part 2

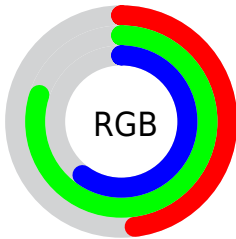
Format	Color
RYB	123, 182, 204
Decimal	8113306
CIELab	76.00, -35.74, 17.28
CIELCh	76, 39.694, 154.195
Yxy	49.8872, 0.2880, 0.4022
Android (android.graphics.Color)	4286303386 (0xFF7BCC9A)
YUV	174.0810, -9.8999, -44.7980
Hunter-Lab	70.6309, -33.3371, 17.1815

Details

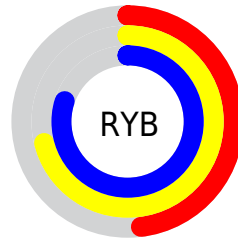
The CIELCh color **76, 39.694, 154.195** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 40.592, 341.165**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 35.871, 156.090**, and **56, 39.410, 154.417** is the 20% darker color. If you saturate the color by 10%, you get **75, 49.064, 152.932**, and if you desaturate by 10%, it is **77, 29.907, 155.299**.

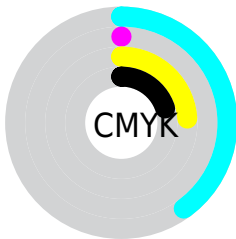
Distribution



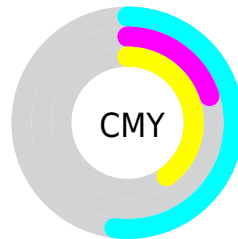
- Red (48%)
- Green (80%)
- Blue (60%)



- Red (48%)
- Yellow (71%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)





- Cyan (52%)
- Magenta (20%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.694, 154.195 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, 39.694, 154.195 by changing the saturation by 10% instead.


 76, 39.694,
154.195


 76, 39.694,
154.195


 100, 39.694,
154.195


 66, 39.694,
154.195


 96, 39.694,
154.195

 56, 39.694,
154.195

 46, 39.694,
154.195

 36, 39.694,
154.195

 26, 39.694,
154.195

 16, 39.694,
154.195

 6, 39.694, 154.195

■ 0, 39.694, 154.195

■ 76, 39.694,
154.195

■ 76, 39.694,
154.195

■ 75, 49.064,
152.932

■ 77, 29.907,
155.299

■ 74, 57.834,
151.488

■ 79, 19.874,
156.270

■ 73, 65.834,
149.847

■ 80, 9.746, 157.138

■ 73, 72.933,
148.006

■ 82, 0.352, 336.798


■ 72, 79.058,
145.984

■ 84, 10.323,
338.489


■ 72, 84.282,
143.884

■ 86, 20.097,
339.111

■ 87, 26.848,

 72, 84.452,
143.816

333.491

 88, 31.809,
325.531

Harmonies

Complementary

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



76, 39.694, 154.195



62, 40.592, 341.165

Rectangle

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



76, 39.694, 154.195



76, 39.694, 204.195



76, 39.694, 334.195



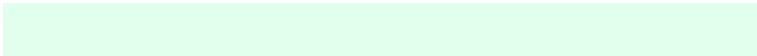
76, 39.694, 24.195

Sweetspot

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



76, 39.695, 154.195



97, 14.511, 156.928



78, 43.843, 122.202



52, 9.628, 156.815



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, 39.695, 154.195



92, 56.872, 153.071



77, 27.414, 185.082



42, 5.717, 157.160



59, 71.743, 144.166



12, 23.369, 150.856

Inverse Universe

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



62, 40.592, 341.165



71, 58.157, 342.126



61, 33.679, 13.195



40, 5.760, 338.486



36, 63.911, 351.155



4, 21.368, 346.008

Previews

White Background



This preview shows how the CIELCh color 76, 39.694, 154.195 looks on a white background.

Color Contrast Check

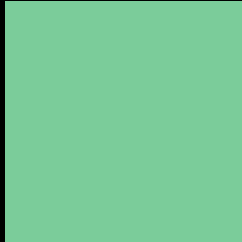
Large Text (above 18pt) WCAG AA × Fail

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, 39.694, 154.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

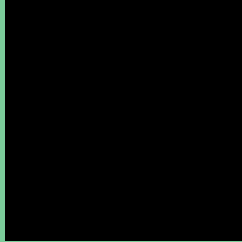
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 39.694, 154.195

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.694, 154.195.



This preview shows how white text looks on a background with the CIELCh color 76, 39.694, 154.195.

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, 39.694, 154.195

Protanopia

76, 22.043, 94.339

Deuteranopia

75, 17.413, 55.870



Tritanopia
76, 20.918, 220.983

Trichromacy



Original Color
76, 39.694, 154.195



Protanomaly
75, 25.032, 128.032



Deuteranomaly
75, 16.318, 118.258

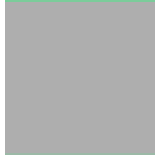


Tritanomaly
76, 23.827, 185.809

Monochromacy



Original Color
76, 39.694, 154.195



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 14.653, 156.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.694, 154.195 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, 204, 154)` looks like.

```
.text, #text, p{  
    color:rgb(123, 204, 154)  
}
```

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, 204, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 204, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.694, 154.195 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, 204, 154) }
```

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

```
.border{ border-color:rgb(123, 204, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 204, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 204, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 204, 154);  
box-shadow:4px 4px 4px 4px rgb(123, 204,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.694, 154.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 204, 154) }
```

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

```
.background{ background-color: rgb(123,  
204, 154) }
```

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