

Converting Colors

CIELCh(76, 39.397, 166.282)

Have a look what the booklet for
CIELCh(76, 39.397, 166.282)
contains.

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Color

CIELCh(76, 39.433, 166.209)

Conversions

Conversions Part 1

Format	Color
Hex	69CEA9
RGB	105, 206, 169
RGB Percent	41%, 81%, 66%
CMY	0.5891, 0.1930, 0.3380
CMYK	0.49, 0.00, 0.18, 0.19
HSL	158°, 51%, 61%
HSV	158°, 49%, 81%
XYZ	34.9629, 49.8872, 45.2227
YIQ	171.5830, -48.3190, -32.9190

Conversions

Conversions Part 2

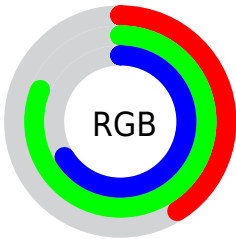
Format	Color
RYB	105, 167, 206
Decimal	6934185
CIELab	76.00, -38.30, 9.40
CIELCh	76, 39.433, 166.209
Yxy	49.8872, 0.2688, 0.3835
Android (android.graphics.Color)	4285124265 (0xFF69CEA9)
YUV	171.5830, -1.2734, -58.3933
Hunter-Lab	70.6309, -35.2451, 11.4801

Details

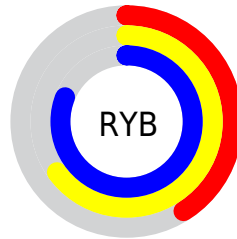
The CIELCh color **76, 39.433, 166.209** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 44.017, 357.706**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.889, 169.928**, and **56, 39.397, 166.282** is the 20% darker color. If you saturate the color by 10%, you get **75, 46.132, 164.746**, and if you desaturate by 10%, it is **77, 32.103, 167.516**.

Distribution



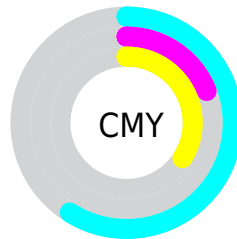
- Red (41%)
- Green (81%)
- Blue (66%)



- Red (41%)
- Yellow (65%)
- Blue (81%)



- Cyan (49%)
- Magenta (0%)
- Yellow (18%)
- Black (19%)





- Cyan (59%)
- Magenta (19%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.433, 166.209 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, 39.433, 166.209 by changing the saturation by 10% instead.


 76, 39.433,
166.209

 76, 39.433,
166.209


 100, 39.433,
166.209


 66, 39.433,
166.209


 96, 39.433,
166.209

 56, 39.433,
166.209

 46, 39.433,
166.209

 36, 39.433,
166.209

 26, 39.433,
166.209

 16, 39.433,
166.209

 6, 39.433, 166.209

0, 39.433, 166.209

76, 39.433,
166.209

76, 39.433,
166.209

75, 46.132,
164.746

77, 32.103,
167.516

74, 52.082,
163.105

78, 24.280,
168.694

74, 57.209,
161.264

80, 16.104,
169.769

74, 61.504,
159.213

81, 7.709, 170.775

73, 65.100,
157.002

83, 0.789, 351.027

85, 9.296, 352.402

73, 65.420,
156.803

87, 17.739,
353.211

■ 87, 21.533,
346.840

■ 88, 23.822,
338.879

Harmonies

Complementary

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



76, 39.433, 166.209



57, 44.017, 357.706

Rectangle

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



76, 39.433, 166.209



76, 39.433, 216.209



76, 39.433, 346.209



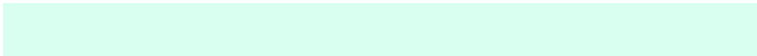
76, 39.433, 36.209

Sweetspot

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



76, 39.434, 166.208



97, 15.110, 170.166



77, 57.988, 131.247



51, 10.293, 169.949



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, 39.434, 166.208



91, 54.710, 164.644



73, 27.186, 213.286



42, 4.781, 170.744



60, 55.325, 157.184



12, 18.769, 162.797

Inverse Universe

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



57, 44.017, 357.706



65, 62.120, 359.940



59, 39.698, 34.260



40, 4.885, 352.349



35, 61.825, 14.438



4, 18.880, 1.426

Previews

White Background



This preview shows how the CIELCh color 76, 39.433, 166.209 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, 39.433, 166.209 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, 39.433, 166.209

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.433, 166.209.

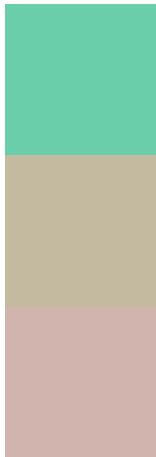


This preview shows how white text looks on a background with the CIELCh color 76, 39.433, 166.209.

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, 39.433, 166.209

Protanopia
76, 14.998, 93.553

Deuteranopia
76, 11.700, 36.143



Tritanopia
76, 25.918, 217.335

Trichromacy



Original Color
76, 39.433, 166.209



Protanomaly
75, 19.783, 143.498



Deuteranomaly
75, 11.434, 145.422

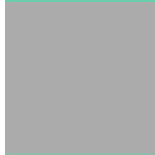


Tritanomaly
76, 27.999, 194.001

Monochromacy



Original Color
76, 39.433, 166.209



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 15.616, 168.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.433, 166.209 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(105, 206, 169)` looks like.

```
.text, #text, p{  
    color:rgb(105, 206, 169)  
}
```

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(105, 206, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 206, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.433, 166.209 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(105, 206, 169) }
```

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

```
.border{ border-color:rgb(105, 206, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 206, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 206, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 206, 169);  
box-shadow:4px 4px 4px 4px rgb(105, 206,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.433, 166.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 206, 169) }
```

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

```
.background{ background-color: rgb(105,  
206, 169) }
```

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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