

Converting Colors

CIELCh(76, 39.305, 163.798)

Have a look what the booklet for
CIELCh(76, 39.305, 163.798)
contains.

CIELCh(76, 39.018, 164.040)	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, 39.018, 164.040)

Conversions

Conversions Part 1

Format	Color
Hex	6DCDA6
RGB	109, 205, 166
RGB Percent	43%, 80%, 65%
CMY	0.5711, 0.1946, 0.3476
CMYK	0.47, 0.00, 0.19, 0.19
HSL	156°, 49%, 62%
HSV	156°, 47%, 81%
XYZ	35.1924, 49.8872, 44.0255
YIQ	171.8500, -44.6970, -32.4810

Conversions

Conversions Part 2

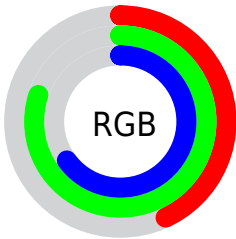
Format	Color
RYB	109, 169, 205
Decimal	7196070
CIELab	76.00, -37.51, 10.73
CIElCh	76, 39.018, 164.040
Yxy	49.8872, 0.2726, 0.3864
Android (android.graphics.Color)	4285386150 (0xFF6DCDA6)
YUV	171.8500, -2.8840, -55.1194
Hunter-Lab	70.6309, -34.6651, 12.4851

Details

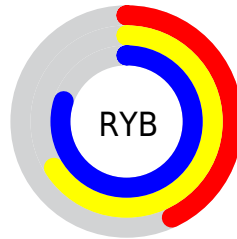
The CIELCh color **76, 39.018, 164.040** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **58, 42.569, 354.524**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 35.028, 167.195**, and **56, 39.018, 164.055** is the 20% darker color. If you saturate the color by 10%, you get **75, 46.209, 162.603**, and if you desaturate by 10%, it is **77, 31.247, 165.319**.

Distribution



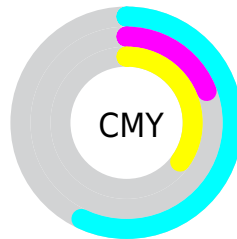
- Red (43%)
- Green (80%)
- Blue (65%)



- Red (43%)
- Yellow (66%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (57%)
- Magenta (19%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.018, 164.040 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, 39.018, 164.040 by changing the saturation by 10% instead.


 76, 39.018,
164.040


 76, 39.018,
164.040


 100, 39.018,
164.040


 66, 39.018,
164.040


 96, 39.018,
164.040

 56, 39.018,
164.040

 46, 39.018,
164.040

 36, 39.018,
164.040

 26, 39.018,
164.040

 16, 39.018,
164.040

 6, 39.018, 164.040

■ 0, 39.018, 164.040

■ 76, 39.018,
164.040

■ 76, 39.018,
164.040

■ 75, 46.209,
162.603

■ 77, 31.247,
165.319

■ 74, 52.689,
160.986

■ 78, 23.038,
166.469

■ 74, 58.364,
159.167

■ 80, 14.537,
167.515

■ 73, 63.203,
157.136

■ 81, 5.872, 168.503

■ 73, 67.265,
154.912

■ 83, 2.845, 349.135

■ 73, 68.507,
154.194

■ 85, 11.525,
350.056

■ 87, 20.102,

350.820

■ 87, 22.951,
342.178

■ 88, 25.771,
334.511

Harmonies

Complementary

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



76, 39.018, 164.040



58, 42.569, 354.524

Rectangle

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



76, 39.018, 164.040



76, 39.018, 214.040



76, 39.018, 344.040



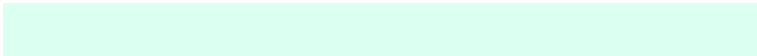
76, 39.018, 34.040

Sweetspot

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



76, 39.019, 164.039



97, 14.506, 167.771



77, 54.487, 129.754



51, 10.004, 167.553



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, 39.019, 164.039



91, 54.364, 162.609



75, 27.237, 206.692



42, 4.911, 168.240



60, 57.998, 154.576



12, 19.530, 160.306

Inverse Universe

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



58, 42.569, 354.524



66, 60.048, 356.373



59, 38.824, 30.166



40, 5.002, 349.813



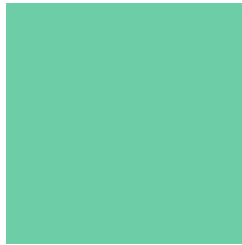
35, 61.324, 10.581



4, 19.134, 359.163

Previews

White Background



This preview shows how the CIELCh color 76, 39.018, 164.040 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, 39.018, 164.040 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

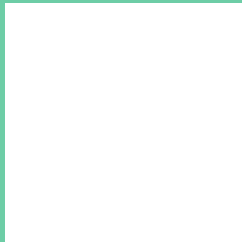
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 39.018, 164.040

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.018, 164.040.

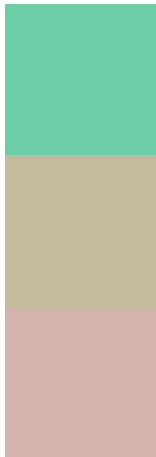


This preview shows how white text looks on a background with the CIELCh color 76, 39.018, 164.040.

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, 39.018, 164.040

Protanopia
76, 16.036, 94.406

Deuteranopia
76, 12.464, 40.302



Tritanopia
76, 24.985, 218.155

Trichromacy



Original Color
76, 39.018, 164.040



Protanomaly
75, 20.733, 139.378



Deuteranomaly
75, 11.921, 139.590

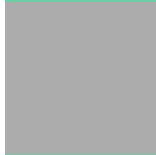


Tritanomaly
76, 27.115, 192.803

Monochromacy



Original Color
76, 39.018, 164.040



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 15.013, 167.689

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.018, 164.040 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(109, 205, 166)` looks like.

```
.text, #text, p{  
    color:rgb(109, 205, 166)  
}
```

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(109, 205, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 205, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.018, 164.040 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(109, 205, 166) }
```

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

```
.border{ border-color:rgb(109, 205, 166) }
```

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

Here you see how a box with a 4 pixel rgb(109, 205, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 205, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 205, 166);  
box-shadow:4px 4px 4px 4px rgb(109, 205,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.018, 164.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 205, 166) }
```

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

```
.background{ background-color: rgb(109,  
205, 166) }
```

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