

Converting Colors

CIELCh(76, 37.201, 194.104)

Have a look what the booklet for
CIELCh(76, 37.201, 194.104)
contains.

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Color

CIELCh(76, 37.236, 194.222)

Conversions

Conversions Part 1

Format	Color
Hex	49CECB
RGB	73, 206, 203
RGB Percent	29%, 81%, 80%
CMY	0.7135, 0.1920, 0.2038
CMYK	0.65, 0.00, 0.01, 0.19
HSL	179°, 58%, 55%
HSV	179°, 65%, 81%
XYZ	35.6114, 49.8872, 64.2693
YIQ	165.8910, -78.3050, -29.1290

Conversions

Conversions Part 2

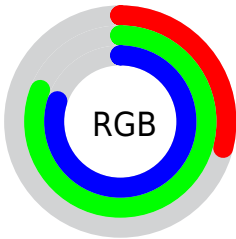
Format	Color
RYB	73, 140, 206
Decimal	4837067
CIELab	76.00, -36.09, -9.15
CIELCh	76, 37.236, 194.222
Yxy	49.8872, 0.2378, 0.3331
Android (android.graphics.Color)	4283027147 (0xFF49CECB)
YUV	165.8910, 18.2947, -81.4654
Hunter-Lab	70.6309, -33.6062, -4.5083

Details

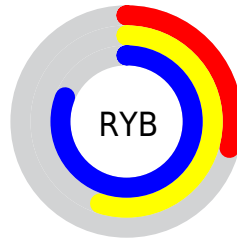
The CIELCh color **76, 37.236, 194.222** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **50, 59.277, 27.218**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 34.920, 197.274**, and **56, 34.227, 194.405** is the 20% darker color. If you saturate the color by 10%, you get **76, 40.072, 193.836**, and if you desaturate by 10%, it is **77, 33.473, 194.638**.

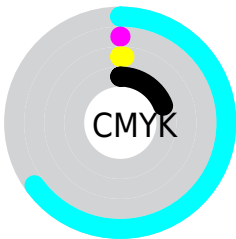
Distribution



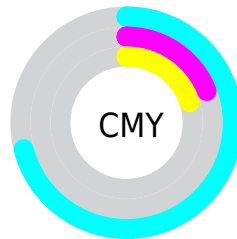
- Red (29%)
- Green (81%)
- Blue (80%)



- Red (29%)
- Yellow (55%)
- Blue (81%)



- Cyan (65%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)





- Cyan (71%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.236, 194.222 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, 37.236, 194.222 by changing the saturation by 10% instead.


 76, 37.236,
194.222


 76, 37.236,
194.222


 100, 37.236,
194.222


 66, 37.236,
194.222


 96, 37.236,
194.222

 56, 37.236,
194.222

 46, 37.236,
194.222

 36, 37.236,
194.222

 26, 37.236,
194.222

 16, 37.236,
194.222

 6, 37.236, 194.222

0, 37.236, 194.222

76, 37.236,
194.222

76, 37.236,
194.222

76, 40.072,
193.836

77, 33.473,
194.638

75, 41.990,
193.479

77, 28.826,
195.094

75, 43.064,
193.137

78, 23.380,
195.591

75, 43.424,
192.955

79, 17.242,
196.128

81, 10.532,
196.711

82, 3.372, 197.415

■ 84, 4.126, 17.728

■ 85, 11.861, 18.449

■ 87, 18.410, 18.875

Harmonies

Complementary

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



76, 37.236, 194.222



50, 59.277, 27.218

Rectangle

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



76, 37.236, 194.222



76, 37.236, 244.222



76, 37.236, 14.222



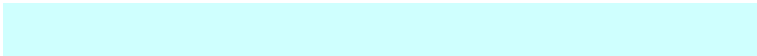
76, 37.236, 64.222

Sweetspot

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



76, 37.236, 194.221



97, 16.138, 196.431



74, 81.131, 138.195



51, 11.007, 196.264



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, 37.236, 194.221



91, 47.945, 193.712



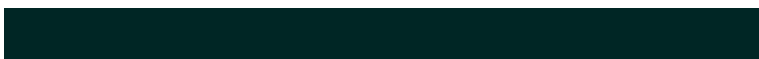
58, 38.659, 265.656



42, 4.128, 197.041



61, 36.928, 193.006



13, 13.696, 193.695

Inverse Universe

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



50, 59.277, 27.218



57, 84.831, 31.796



62, 48.709, 64.085



40, 4.368, 18.097



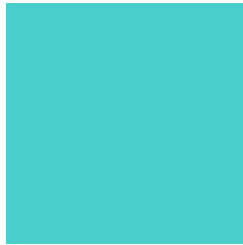
34, 74.629, 38.907



4, 17.918, 18.291

Previews

White Background



This preview shows how the CIELCh color 76, 37.236, 194.222 looks on a white background.

Color Contrast Check

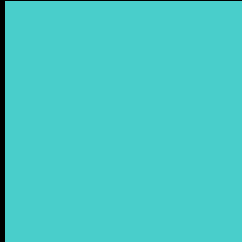
Large Text (above 18pt) WCAG AA × Fail

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, 37.236, 194.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

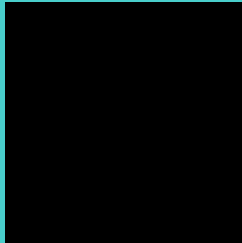
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

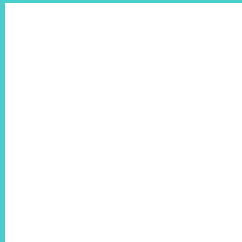
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 37.236, 194.222

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.236, 194.222.

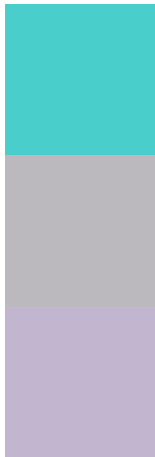


This preview shows how white text looks on a background with the CIELCh color 76, 37.236, 194.222.

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, 37.236, 194.222

Protanopia

76, 2.933, 312.541

Deuteranopia

75, 15.365, 309.013



Tritanopia
76, 34.074, 212.928

Trichromacy



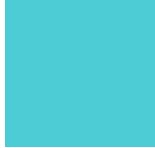
Original Color
76, 37.236, 194.222



Protanomaly
75, 16.089, 202.086



Deuteranomaly
75, 15.691, 232.201

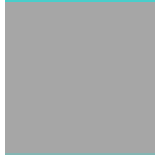


Tritanomaly
76, 34.812, 206.006

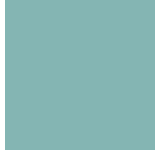
Monochromacy



Original Color
76, 37.236, 194.222



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 17.058, 194.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.236, 194.222 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(73, 206, 203)` looks like.

```
.text, #text, p{  
    color:rgb(73, 206, 203)  
}
```

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(73, 206, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 206, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.236, 194.222 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(73, 206, 203) }
```

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

```
.border{ border-color:rgb(73, 206, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 206, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 206, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 206, 203);  
box-shadow:4px 4px 4px 4px rgb(73, 206,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.236, 194.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 206, 203) }
```

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

```
.background{ background-color: rgb(73, 206,  
203) }
```

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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