

Converting Colors

CIELCh(76, 37.142, 203.495)

Have a look what the booklet for
CIELCh(76, 37.142, 203.495)
contains.

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Color

CIELCh(76, 37.283, 202.681)

Conversions

Conversions Part 1

Format	Color
Hex	41CED5
RGB	65, 206, 213
RGB Percent	25%, 81%, 84%
CMY	0.7468, 0.1934, 0.1659
CMYK	0.70, 0.03, 0.00, 0.17
HSL	183°, 64%, 54%
HSV	183°, 70%, 83%
XYZ	36.1161, 49.8872, 70.4670
YIQ	164.6390, -86.2830, -27.7150

Conversions

Conversions Part 2

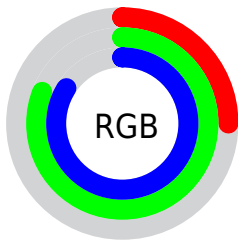
Format	Color
RYB	65, 137, 213
Decimal	4312789
CIELab	76.00, -34.40, -14.38
CIELCh	76, 37.283, 202.681
Yxy	49.8872, 0.2308, 0.3188
Android (android.graphics.Color)	4282502869 (0xFF41CED5)
YUV	164.6390, 23.8420, -87.3834
Hunter-Lab	70.6309, -32.3306, -9.7108

Details

The CIELCh color **76, 37.283, 202.681** 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 **51, 65.084, 32.493**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.016, 197.208**, and **57, 33.036, 203.583** is the 20% darker color. If you saturate the color by 10%, you get **75, 39.367, 203.042**, and if you desaturate by 10%, it is **77, 34.250, 202.472**.

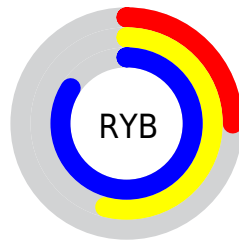
Distribution



Red (25%)

Green (81%)

Blue (84%)



Red (25%)

Yellow (54%)

Blue (84%)

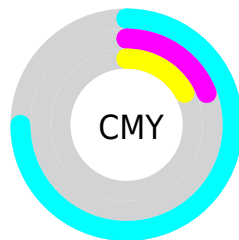


Cyan (70%)

Magenta (3%)

Yellow (0%)

Black (17%)



Cyan (75%)


Magenta (19%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.283, 202.681 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, 37.283, 202.681 by changing the saturation by 10% instead.


 76, 37.283,
202.681


 76, 37.283,
202.681


 100, 37.283,
202.681


 66, 37.283,
202.681


 96, 37.283,
202.681

 56, 37.283,
202.681

 46, 37.283,
202.681

 36, 37.283,
202.681

 26, 37.283,
202.681

 16, 37.283,
202.681

 6, 37.283, 202.681

0, 37.283, 202.681

76, 37.283,
202.681

76, 37.283,
202.681

75, 39.367,
203.042

77, 34.250,
202.472

75, 40.544,
203.570

78, 30.289,
202.405

74, 40.992,
204.249

79, 25.469,
202.462

74, 41.004,
204.274

80, 19.888,
202.627

82, 13.660,
202.889

83, 6.905, 203.253

■ 85, 0.262, 21.329

■ 87, 7.738, 23.901

■ 89, 15.059, 24.471

Harmonies

Complementary

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



76, 37.283, 202.681



51, 65.084, 32.493

Rectangle

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



76, 37.283, 202.681



76, 37.283, 252.681



76, 37.283, 22.681



76, 37.283, 72.681

Sweetspot

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



76, 37.282, 202.680



96, 16.832, 202.842



75, 87.126, 138.860



51, 11.283, 202.763



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, 37.282, 202.680



88, 45.972, 203.297



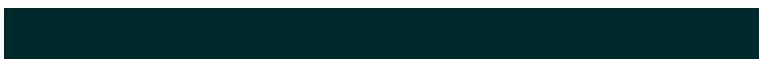
55, 47.113, 274.930



44, 4.090, 203.262



61, 34.859, 204.148



14, 13.816, 202.649

Inverse Universe

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



54, 84.423, 329.323



61, 107.278, 329.836



65, 54.575, 69.609



42, 7.599, 326.235



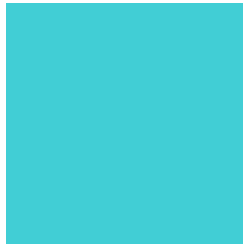
40, 82.510, 330.193



6, 31.842, 329.625

Previews

White Background



This preview shows how the CIE LCh color 76, 37.283, 202.681 looks on a white background.

Color Contrast Check

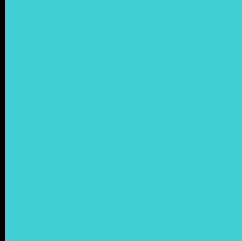
Large Text (above 18pt) WCAG AA × Fail

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, 37.283, 202.681 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, 37.283, 202.681

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.283, 202.681.

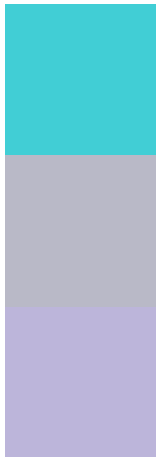


This preview shows how white text looks on a background with the CIELCh color 76, 37.283, 202.681.

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](#).

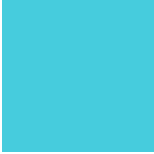
Dichromacy



Original Color
76, 37.283, 202.681

Protanopia
76, 7.555, 290.892

Deuteranopia
75, 20.191, 298.885



Tritanopia
76, 35.887, 211.992

Trichromacy



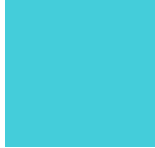
Original Color
76, 37.283, 202.681



Protanomaly
75, 18.021, 217.593



Deuteranomaly
75, 20.228, 242.899

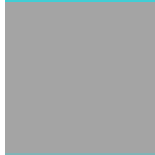


Tritanomaly
76, 36.381, 208.166

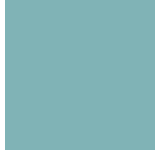
Monochromacy



Original Color
76, 37.283, 202.681



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 17.415, 203.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.283, 202.681 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(65, 206, 213)` looks like.

```
.text, #text, p{  
    color:rgb(65, 206, 213)  
}
```

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(65, 206, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 206, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.283, 202.681 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(65, 206, 213) }
```

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

```
.border{ border-color:rgb(65, 206, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 206, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 206, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 206, 213);  
box-shadow:4px 4px 4px 4px rgb(65, 206,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.283, 202.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 206, 213) }
```

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

```
.background{ background-color: rgb(65, 206,  
213) }
```

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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