

Converting Colors

CIELCh(76, 37.300, 196.667)

Have a look what the booklet for
CIELCh(76, 37.300, 196.667)
contains.

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Color

CIELCh(76, 37.288, 196.751)

Conversions

Conversions Part 1

Format	Color
Hex	46CECE
RGB	70, 206, 206
RGB Percent	27%, 81%, 81%
CMY	0.7256, 0.1922, 0.1922
CMYK	0.66, 0.00, 0.00, 0.19
HSL	180°, 58%, 54%
HSV	180°, 66%, 81%
XYZ	35.7268, 49.8872, 66.1243
YIQ	165.3360, -81.0560, -28.8320

Conversions

Conversions Part 2

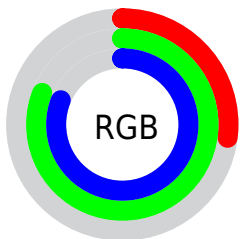
Format	Color
RYB	70, 138, 206
Decimal	4640462
CIELab	76.00, -35.71, -10.75
CIELCh	76, 37.288, 196.751
Yxy	49.8872, 0.2355, 0.3288
Android (android.graphics.Color)	4282830542 (0xFF46CECE)
YUV	165.3360, 20.0474, -83.6097
Hunter-Lab	70.6309, -33.3145, -6.0653

Details

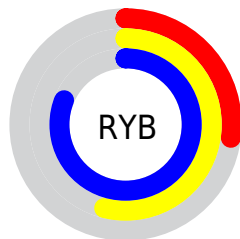
The CIELCh color **76, 37.288, 196.751** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **49, 61.416, 29.190**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 35.363, 197.247**, and **56, 33.747, 197.391** is the 20% darker color. If you saturate the color by 10%, you get **76, 39.883, 196.573**, and if you desaturate by 10%, it is **77, 33.761, 196.992**.

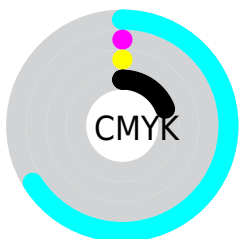
Distribution



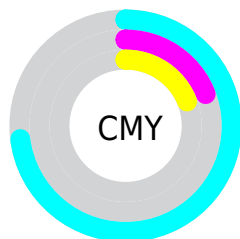
- Red (27%)
- Green (81%)
- Blue (81%)



- Red (27%)
- Yellow (54%)
- Blue (81%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (73%)
- Magenta (19%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.288, 196.751 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, 37.288, 196.751 by changing the saturation by 10% instead.


 76, 37.288,
196.751


 76, 37.288,
196.751


 100, 37.288,
196.751


 66, 37.288,
196.751


 96, 37.288,
196.751

 56, 37.288,
196.751

 46, 37.288,
196.751

 36, 37.288,
196.751

 26, 37.288,
196.751

 16, 37.288,
196.751

 6, 37.288, 196.751

0, 37.288, 196.751

76, 37.288,
196.751

76, 37.288,
196.751

76, 39.883,
196.573

77, 33.761,
196.992

75, 41.571,
196.459

77, 29.334,
197.301

75, 42.441,
196.400

78, 24.081,
197.674

75, 42.666,
196.385

79, 18.104,
198.107

80, 11.520,
198.602

82, 4.449, 199.200

■ 83, 2.995, 19.441

■ 85, 10.708, 20.161

■ 87, 18.465, 20.777

Harmonies

Complementary

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



76, 37.288, 196.751



49, 61.416, 29.190

Rectangle

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



76, 37.288, 196.751



76, 37.288, 246.751



76, 37.288, 16.751



76, 37.288, 66.751

Sweetspot

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



76, 37.288, 196.750



97, 16.872, 198.385



74, 82.857, 138.303



51, 11.403, 198.246



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, 37.288, 196.750



91, 47.754, 196.521



57, 40.421, 268.153



42, 4.119, 198.976



62, 36.301, 196.385



13, 13.514, 196.386

Inverse Universe

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



49, 61.416, 29.190



56, 88.169, 33.905



63, 49.973, 65.473



40, 4.369, 19.924



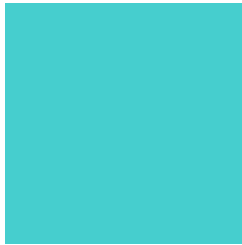
34, 75.553, 39.823



4, 17.910, 19.405

Previews

White Background



This preview shows how the CIELCh color 76, 37.288, 196.751 looks on a white background.

Color Contrast Check

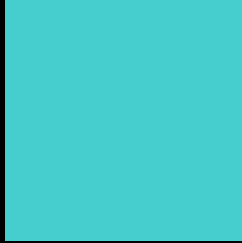
Large Text (above 18pt) WCAG AA × Fail

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, 37.288, 196.751 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, 37.288, 196.751

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.288, 196.751.

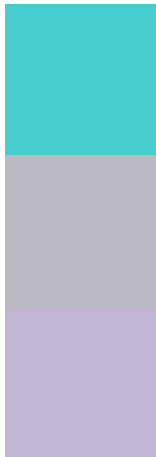


This preview shows how white text looks on a background with the CIELCh color 76, 37.288, 196.751.

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

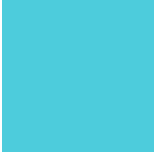
76, 37.288, 196.751

Protanopia

76, 4.392, 300.160

Deuteranopia

75, 16.729, 305.056



Tritanopia
76, 34.871, 211.559

Trichromacy



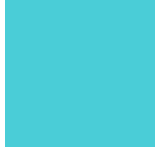
Original Color
76, 37.288, 196.751



Protanomaly
75, 16.714, 207.559



Deuteranomaly
75, 16.983, 236.003

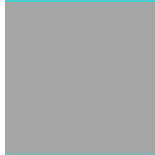


Tritanomaly
76, 35.630, 205.745

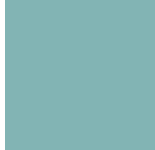
Monochromacy



Original Color
76, 37.288, 196.751



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 17.219, 198.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.288, 196.751 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(70, 206, 206)` looks like.

```
.text, #text, p{  
    color:rgb(70, 206, 206)  
}
```

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(70, 206, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 206, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.288, 196.751 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(70, 206, 206) }
```

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

```
.border{ border-color:rgb(70, 206, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 206, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 206, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 206, 206);  
box-shadow:4px 4px 4px 4px rgb(70, 206,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.288, 196.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 206, 206) }
```

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

```
.background{ background-color: rgb(70, 206,  
206) }
```

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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