

Converting Colors

CIELCh(75, 38.168, 196.671)

Have a look what the booklet for
CIELCh(75, 38.168, 196.671)
contains.

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Color

CIELCh(75, 38.297, 196.663)

Conversions

Conversions Part 1

Format	Color
Hex	3BCCCC
RGB	59, 204, 204
RGB Percent	23%, 80%, 80%
CMY	0.7670, 0.2016, 0.2016
CMYK	0.71, 0.00, 0.00, 0.20
HSL	180°, 58%, 52%
HSV	180°, 71%, 80%
XYZ	34.1775, 48.2781, 64.3948
YIQ	160.6450, -86.4200, -30.7400

Conversions

Conversions Part 2

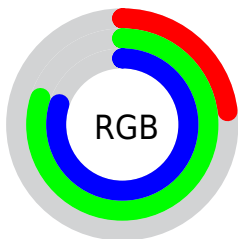
Format	Color
RYB	59, 132, 204
Decimal	3919052
CIELab	75.00, -36.69, -10.98
CIELCh	75, 38.297, 196.663
Yxy	48.2781, 0.2327, 0.3288
Android (android.graphics.Color)	4282109132 (0xFF3BCCCC)
YUV	160.6450, 21.3740, -89.1427
Hunter-Lab	69.4824, -33.7926, -6.3109

Details

The CIELCh color **75, 38.297, 196.663** 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 **47, 65.621, 30.689**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **56, 33.418, 197.403** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.436, 196.516**, and if you desaturate by 10%, it is **75, 35.239, 196.872**.

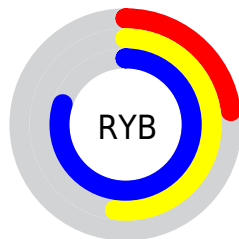
Distribution



Red (23%)

Green (80%)

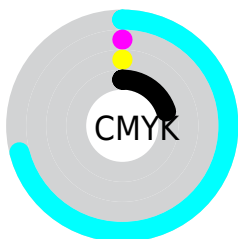
Blue (80%)



Red (23%)

Yellow (52%)

Blue (80%)

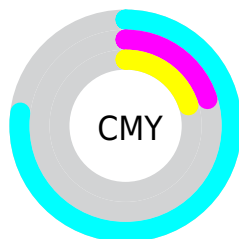


Cyan (71%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (77%)


Magenta (20%)


Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 38.297, 196.663 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 75, 38.297, 196.663 by changing the saturation by 10% instead.


 75, 38.297,
196.663

 75, 38.297,
196.663


 100, 38.297,
196.663


 65, 38.297,
196.663


 95, 38.297,
196.663

 55, 38.297,
196.663

 45, 38.297,
196.663

 35, 38.297,
196.663

 25, 38.297,
196.663

 15, 38.297,
196.663

 5, 38.297, 196.663

0, 38.297, 196.663

75, 38.297,
196.663

75, 38.297,
196.663

75, 40.436,
196.516

75, 35.239,
196.872

74, 41.708,
196.430

76, 31.270,
197.149

74, 42.296,
196.390

77, 26.444,
197.492

78, 20.850,
197.896

79, 14.600,
198.361

80, 7.811, 198.894

■ 82, 0.600, 200.295

■ 83, 6.925, 19.853

■ 85, 14.669, 20.490

Harmonies

Complementary

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



75, 38.297, 196.663



47, 65.621, 30.689

Rectangle

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



75, 38.297, 196.663



75, 38.297, 246.663



75, 38.297, 16.663



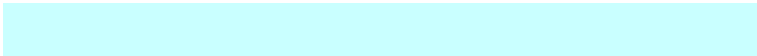
75, 38.297, 66.663

Sweetspot

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



75, 38.297, 196.662



97, 17.657, 198.338



72, 86.687, 138.032



51, 11.838, 198.203



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 38.297, 196.662



91, 48.831, 196.463



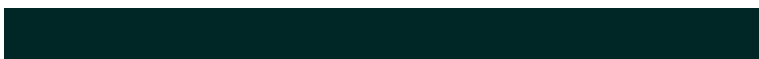
54, 43.850, 271.796



42, 4.119, 198.979



62, 36.300, 196.390



13, 13.513, 196.389

Inverse Universe

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



52, 85.111, 327.790



62, 111.437, 328.111



61, 53.449, 66.372



40, 7.538, 324.934



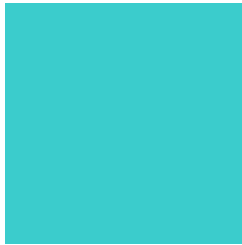
39, 83.710, 328.233



5, 29.042, 327.497

Previews

White Background



This preview shows how the CIELCh color 75, 38.297, 196.663 looks on a white background.

Color Contrast Check

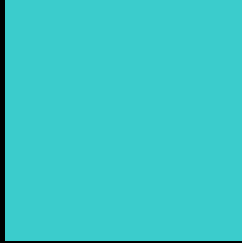
Large Text (above 18pt) WCAG AA × Fail

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 75, 38.297, 196.663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

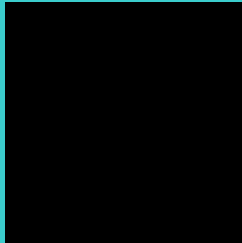
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

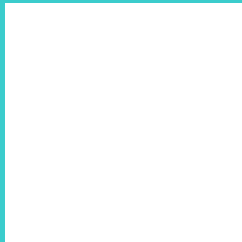
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 38.297, 196.663

Background



This preview shows how black text looks on a background with the CIELCh color 75, 38.297, 196.663.

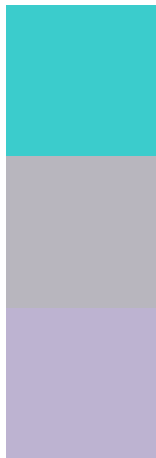


This preview shows how white text looks on a background with the CIELCh color 75, 38.297, 196.663.

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

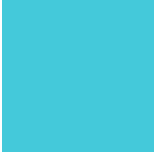
75, 38.424, 196.654

Protanopia

74, 4.405, 300.164

Deuteranopia

75, 16.682, 303.875



Tritanopia
75, 35.609, 212.152

Trichromacy



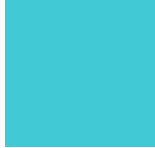
Original Color
75, 38.424, 196.654



Protanomaly
74, 17.339, 207.188



Deuteranomaly
74, 17.970, 233.653

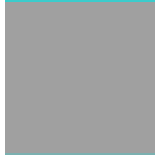


Tritanomaly
75, 36.298, 206.425

Monochromacy



Original Color
75, 38.424, 196.654



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 18.171, 197.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 38.297, 196.663 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(59, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(59, 204, 204)  
}
```

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(59, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 204, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 38.297, 196.663 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(59, 204, 204) }
```

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

```
.border{ border-color:rgb(59, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(59, 204,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 38.297, 196.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 204, 204) }
```

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

```
.background{ background-color: rgb(59, 204,  
204) }
```

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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