

Converting Colors

CIELCh(75, 39.755, 198.023)

Have a look what the booklet for
CIELCh(75, 39.755, 198.023)
contains.

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Color

CIELCh(75, 39.714, 198.157)

Conversions

Conversions Part 1

Format	Color
Hex	2DCCCE
RGB	45, 204, 206
RGB Percent	18%, 80%, 81%
CMY	0.8225, 0.1994, 0.1916
CMYK	0.78, 0.01, 0.00, 0.19
HSL	181°, 64%, 49%
HSV	181°, 78%, 81%
XYZ	33.8762, 48.2781, 66.0127
YIQ	156.6870, -95.4060, -33.0860

Conversions

Conversions Part 2

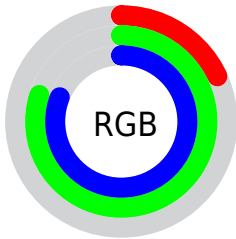
Format	Color
<code>RYB</code>	<code>45, 125, 206</code>
Decimal	<code>3001550</code>
CIELab	<code>75.00, -37.74, -12.38</code>
CIELCh	<code>75, 39.714, 198.157</code>
Yxy	<code>48.2781, 0.2286, 0.3258</code>
Android (<code>android.graphics.Color</code>)	<code>4281191630 (0xFF2DCCCE)</code>
YUV	<code>156.6870, 24.3113, -97.9495</code>
Hunter-Lab	<code>69.4824, -34.5664, -7.6916</code>

Details

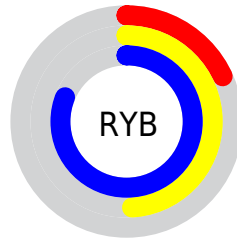
The CIELCh color **75, 39.714, 198.157** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **46, 72.939, 33.611**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **56, 33.143, 199.463** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.161, 198.198**, and if you desaturate by 10%, it is **75, 37.368, 198.199**.

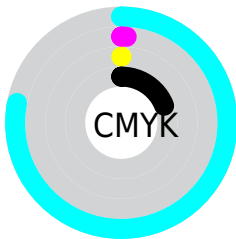
Distribution



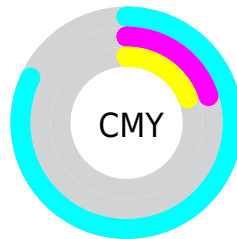
- Red (18%)
- Green (80%)
- Blue (81%)



- Red (18%)
- Yellow (49%)
- Blue (81%)



- Cyan (78%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)





- Cyan (82%)
- Magenta (20%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 39.714, 198.157 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, 39.714, 198.157 by changing the saturation by 10% instead.


 75, 39.714,
198.157


 75, 39.714,
198.157


 100, 39.714,
198.157


 65, 39.714,
198.157


 95, 39.714,
198.157

 55, 39.714,
198.157

 45, 39.714,
198.157

 35, 39.714,
198.157

 25, 39.714,
198.157

 15, 39.714,
198.157

 5, 39.714, 198.157

0, 39.714, 198.157

75, 39.714,
198.157

75, 39.714,
198.157

75, 41.161,
198.198

75, 37.368,
198.199

75, 41.840,
198.316

76, 34.091,
198.328

74, 41.938,
198.343

77, 29.908,
198.539

78, 24.885,
198.830

79, 19.122,
199.192

80, 12.732,
199.623

■ 82, 5.835, 200.143

■ 83, 1.454, 20.166

■ 85, 9.031, 21.035

Harmonies

Complementary

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



75, 39.714, 198.157



46, 72.939, 33.611

Rectangle

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



75, 39.714, 198.157



75, 39.714, 248.157



75, 39.714, 18.157



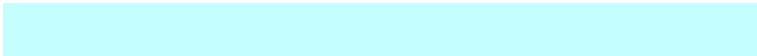
75, 39.714, 68.157

Sweetspot

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



75, 39.713, 198.156



96, 18.961, 199.388



73, 93.140, 137.298



51, 12.954, 199.236



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, 39.713, 198.156



90, 48.949, 198.277



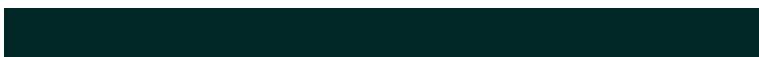
52, 48.579, 274.714



42, 4.067, 200.064



61, 35.671, 198.312



13, 13.326, 197.909

Inverse Universe

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



51, 90.156, 328.388



60, 113.446, 328.683



60, 59.716, 65.237



40, 7.475, 325.266



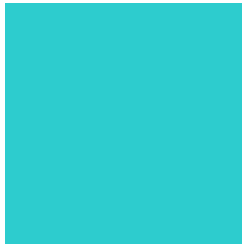
39, 82.909, 328.727



5, 28.757, 327.894

Previews

White Background



This preview shows how the CIELCh color 75, 39.714, 198.157 looks on a white background.

Color Contrast Check

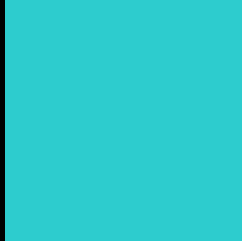
Large Text (above 18pt) WCAG AA × Fail

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, 39.714, 198.157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

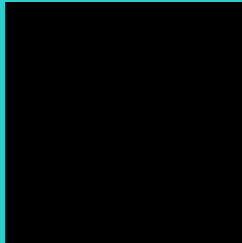
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

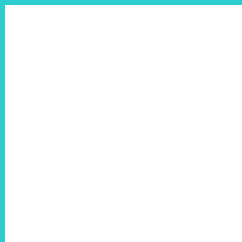
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 39.714, 198.157

Background



This preview shows how black text looks on a background with the CIELCh color 75, 39.714, 198.157.

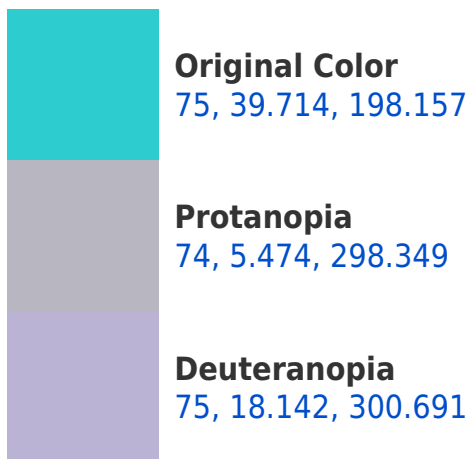


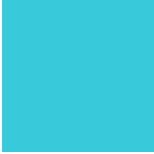
This preview shows how white text looks on a background with the CIELCh color 75, 39.714, 198.157.

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





Tritanopia
75, 37.254, 211.359

Trichromacy



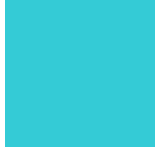
Original Color
75, 39.714, 198.157



Protanomaly
73, 18.868, 209.738



Deuteranomaly
73, 20.393, 234.427



Tritanomaly
75, 38.031, 205.875

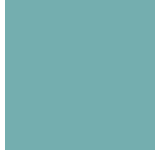
Monochromacy



Original Color
75, 39.714, 198.157



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 19.609, 199.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 39.714, 198.157 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(45, 204, 206)` looks like.

```
.text, #text, p{  
    color:rgb(45, 204, 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(45, 204, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 204, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 39.714, 198.157 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(45, 204, 206) }
```

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

```
.border{ border-color:rgb(45, 204, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 204, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 204, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 204, 206);  
box-shadow:4px 4px 4px 4px rgb(45, 204,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 39.714, 198.157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 204, 206) }
```

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

```
.background{ background-color: rgb(45, 204,  
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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