

Converting Colors

CIELCh(75, 36.881, 186.507)

Have a look what the booklet for
CIELCh(75, 36.881, 186.507)
contains.

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Color

CIELCh(75, 36.859, 186.483)

Conversions

Conversions Part 1

Format	Color
Hex	51CBBF
RGB	81, 203, 191
RGB Percent	32%, 80%, 75%
CMY	0.6819, 0.2035, 0.2506
CMYK	0.60, 0.00, 0.06, 0.20
HSL	174°, 54%, 56%
HSV	174°, 60%, 80%
XYZ	34.1964, 48.2781, 56.8616
YIQ	165.1540, -68.8600, -29.5960

Conversions

Conversions Part 2

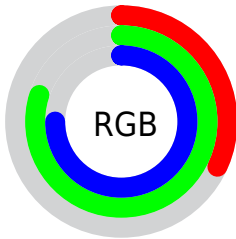
Format	Color
R_{YB}	81, 145, 203
Decimal	5360575
CIE _{Lab}	75.00, -36.62, -4.16
CIE _{LCh}	75, 36.859, 186.483
Y _{xy}	48.2781, 0.2454, 0.3465
Android (android.graphics.Color)	4283550655 (0xFF51CBBF)
YUV	165.1540, 12.7421, -73.8031
Hunter-Lab	69.4824, -33.7440, 0.1172

Details

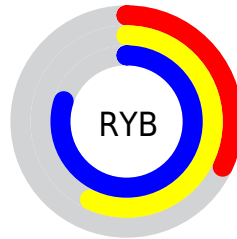
The CIELCh color **75, 36.859, 186.483** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **51, 52.712, 20.437**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 34.744, 190.376**, and **55, 35.393, 186.722** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.510, 185.570**, and if you desaturate by 10%, it is **76, 32.336, 187.343**.

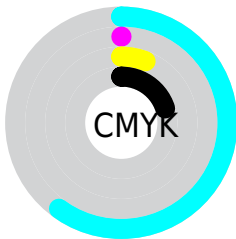
Distribution



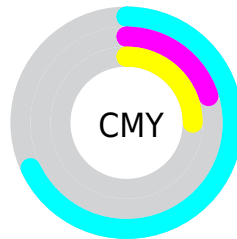
- Red (32%)
- Green (80%)
- Blue (75%)



- Red (32%)
- Yellow (57%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (20%)





- Cyan (68%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 36.859, 186.483 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, 36.859, 186.483 by changing the saturation by 10% instead.


 75, 36.859,
186.483


 75, 36.859,
186.483


 100, 36.859,
186.483


 65, 36.859,
186.483


 95, 36.859,
186.483

 55, 36.859,
186.483

 45, 36.859,
186.483

 35, 36.859,
186.483

 25, 36.859,
186.483

 15, 36.859,
186.483

 5, 36.859, 186.483

0, 36.859, 186.483

75, 36.859,
186.483

75, 36.859,
186.483

74, 40.510,
185.570

76, 32.336,
187.343

74, 43.258,
184.592

77, 27.015,
188.171

74, 45.134,
183.529

78, 21.004,
188.978

74, 46.323,
182.395

79, 14.424,
189.774

80, 7.398, 190.582

82, 0.044, 203.645

83, 7.536, 11.956

■ 85, 15.252, 12.739

■ 86, 19.650, 11.842

Harmonies

Complementary

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



75, 36.859, 186.483



51, 52.712, 20.437

Rectangle

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



75, 36.859, 186.483



75, 36.859, 236.483



75, 36.859, 6.483



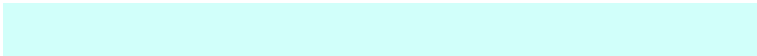
75, 36.859, 56.483

Sweetspot

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



75, 36.859, 186.482



97, 15.638, 189.919



73, 74.387, 137.413



51, 10.786, 189.684



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, 36.859, 186.482



91, 49.142, 185.295



61, 32.989, 255.453



42, 4.191, 190.638



61, 39.767, 182.577



13, 14.483, 185.222

Inverse Universe

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



51, 52.712, 20.437



59, 76.316, 24.697



61, 44.478, 58.190



40, 4.398, 11.986



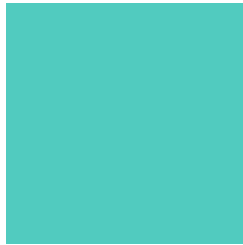
34, 71.588, 35.551



4, 17.995, 14.566

Previews

White Background



This preview shows how the CIELCh color 75, 36.859, 186.483 looks on a white background.

Color Contrast Check

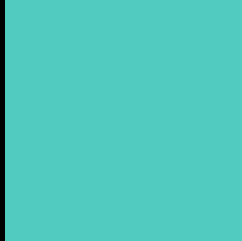
Large Text (above 18pt) WCAG AA × Fail

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, 36.859, 186.483 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

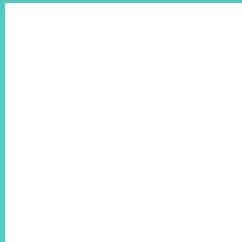
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 36.859, 186.483

Background



This preview shows how black text looks on a background with the CIELCh color 75, 36.859, 186.483.

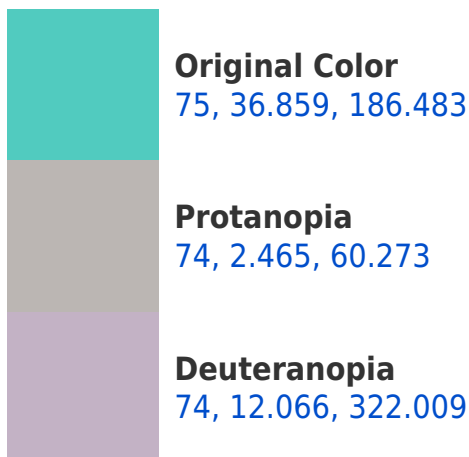


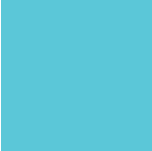
This preview shows how white text looks on a background with the CIELCh color 75, 36.859, 186.483.

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, 31.572, 214.409

Trichromacy



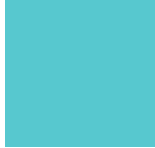
Original Color
75, 36.859, 186.483



Protanomaly
74, 15.422, 183.925



Deuteranomaly
74, 12.113, 219.682

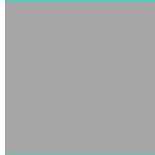


Tritanomaly
75, 32.577, 203.830

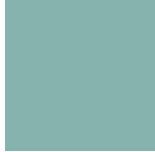
Monochromacy



Original Color
75, 36.859, 186.483



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 16.179, 188.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 36.859, 186.483 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(81, 203, 191)` looks like.

```
.text, #text, p{  
    color:rgb(81, 203, 191)  
}
```

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(81, 203, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 203, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 36.859, 186.483 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(81, 203, 191) }
```

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

```
.border{ border-color:rgb(81, 203, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 203, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 203, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 203, 191);  
box-shadow:4px 4px 4px 4px rgb(81, 203,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 36.859, 186.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 203, 191) }
```

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

```
.background{ background-color: rgb(81, 203,  
191) }
```

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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