

Converting Colors

CIELCh(78, 33.775, 200.758)

Have a look what the booklet for
CIELCh(78, 33.775, 200.758)
contains.

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Color

CIELCh(78, 33.770, 200.733)

Conversions

Conversions Part 1

Format	Color
Hex	5DD2D6
RGB	93, 210, 214
RGB Percent	36%, 82%, 84%
CMY	0.6357, 0.1769, 0.1612
CMYK	0.57, 0.02, 0.00, 0.16
HSL	182°, 60%, 60%
HSV	182°, 57%, 84%
XYZ	39.6471, 53.2120, 71.7295
YIQ	175.4730, -71.0160, -23.5600

Conversions

Conversions Part 2

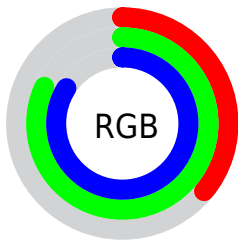
Format	Color
R_{YB}	93, 152, 214
Decimal	6148822
CIE _{Lab}	78.00, -31.58, -11.96
CIE _{LCh}	78, 33.770, 200.733
Yxy	53.2120, 0.2409, 0.3233
Android (android.graphics.Color)	4284338902 (0xFF5DD2D6)
YUV	175.4730, 18.9938, -72.3288
Hunter-Lab	72.9466, -30.6400, -7.2382

Details

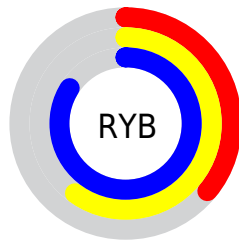
The CIELCh color **78, 33.770, 200.733** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 52.061, 28.531**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.907, 197.515**, and **58, 33.800, 200.397** is the 20% darker color. If you saturate the color by 10%, you get **77, 37.169, 200.766**, and if you desaturate by 10%, it is **79, 29.449, 200.810**.

Distribution



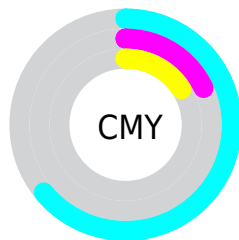
- Red (36%)
- Green (82%)
- Blue (84%)



- Red (36%)
- Yellow (60%)
- Blue (84%)



- Cyan (57%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)





- Cyan (64%)
- Magenta (18%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.770, 200.733 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 78, 33.770, 200.733 by changing the saturation by 10% instead.


 78, 33.770,
200.733


 78, 33.770,
200.733


 100, 33.770,
200.733


 68, 33.770,
200.733


 98, 33.770,
200.733

 58, 33.770,
200.733

 48, 33.770,
200.733

 38, 33.770,
200.733

 28, 33.770,
200.733

 18, 33.770,
200.733

 8, 33.770, 200.733

0, 33.770, 200.733

78, 33.770,
200.733

78, 33.770,
200.733

77, 37.169,
200.766

79, 29.449,
200.810

77, 39.612,
200.923

80, 24.283,
200.990

76, 41.119,
201.209

81, 18.378,
201.261

76, 41.790,
201.625

83, 11.854,
201.615

76, 41.922,
201.783

84, 4.832, 202.084

86, 2.576, 22.184

88, 10.265, 22.838

■ 89, 14.711, 23.754

■ 90, 14.477, 25.224

Harmonies

Complementary

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



78, 33.770, 200.733



56, 52.061, 28.531

Rectangle

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



78, 33.770, 200.733



78, 33.770, 250.733



78, 33.770, 20.733



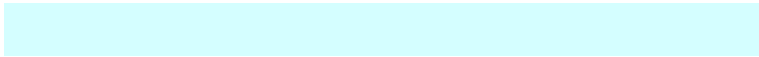
78, 33.770, 70.733

Sweetspot

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



78, 33.770, 200.731



97, 13.998, 201.591



77, 74.829, 140.016



51, 9.303, 201.514



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 33.770, 200.731



90, 43.120, 200.788



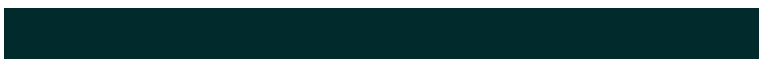
61, 37.741, 268.712



44, 4.147, 201.929



62, 35.482, 201.696



15, 14.025, 200.687

Inverse Universe

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



59, 73.317, 328.321



65, 96.873, 328.806



68, 43.675, 69.914



42, 7.674, 325.836



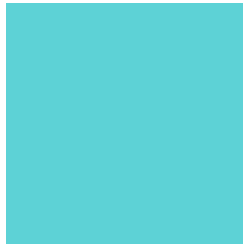
40, 83.431, 329.582



6, 32.174, 329.134

Previews

White Background



This preview shows how the CIELCh color 78, 33.770, 200.733 looks on a white background.

Color Contrast Check

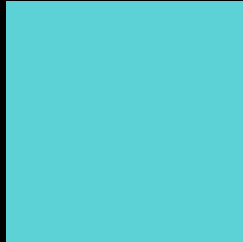
Large Text (above 18pt) WCAG AA × Fail

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 78, 33.770, 200.733 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 78, 33.770, 200.733

Background



This preview shows how black text looks on a background with the CIELCh color 78, 33.770, 200.733.

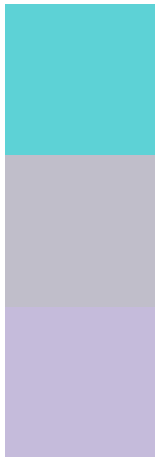


This preview shows how white text looks on a background with the CIELCh color 78, 33.770, 200.733.

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](#).

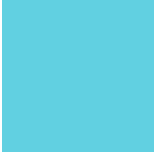
Dichromacy



Original Color
78, 33.770, 200.733

Protanopia
77, 6.495, 297.143

Deuteranopia
78, 17.599, 303.149



Tritanopia
78, 32.319, 213.868

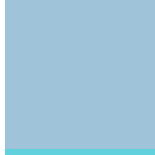
Trichromacy



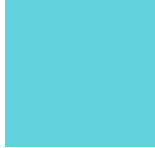
Original Color
78, 33.770, 200.733



Protanomaly
77, 14.578, 217.936



Deuteranomaly
77, 16.499, 244.791

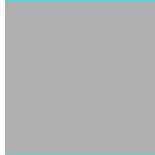


Tritanomaly
78, 32.635, 208.703

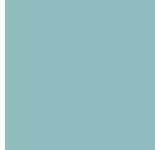
Monochromacy



Original Color
78, 33.770, 200.733



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 14.897, 200.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 33.770, 200.733 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(93, 210, 214)` looks like.

```
.text, #text, p{  
    color:rgb(93, 210, 214)  
}
```

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(93, 210, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 210, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 33.770, 200.733 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(93, 210, 214) }
```

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

```
.border{ border-color:rgb(93, 210, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 210, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 210, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 210, 214);  
box-shadow:4px 4px 4px 4px rgb(93, 210,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 33.770, 200.733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 210, 214) }
```

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

```
.background{ background-color: rgb(93, 210,  
214) }
```

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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