

Converting Colors

CIELCh(78, 41.487, 196.309)

Have a look what the booklet for
CIELCh(78, 41.487, 196.309)
contains.

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Color

CIELCh(78, 41.331, 196.545)

Conversions

Conversions Part 1

Format	Color
Hex	30D5D5
RGB	48, 213, 213
RGB Percent	19%, 84%, 84%
CMY	0.8131, 0.1633, 0.1633
CMYK	0.78, 0.00, 0.00, 0.16
HSL	180°, 67%, 51%
HSV	180°, 78%, 84%
XYZ	37.1431, 53.2120, 71.5006
YIQ	163.6650, -98.3400, -34.9800

Conversions

Conversions Part 2

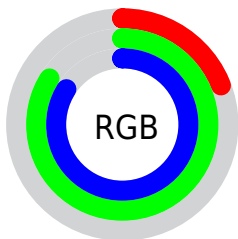
Format	Color
RYB	48, 131, 213
Decimal	3200469
CIELab	78.00, -39.62, -11.77
CIELCh	78, 41.331, 196.545
Yxy	53.2120, 0.2295, 0.3288
Android (android.graphics.Color)	4281390549 (0xFF30D5D5)
YUV	163.6650, 24.3222, -101.4382
Hunter-Lab	72.9466, -36.7674, -7.0522

Details

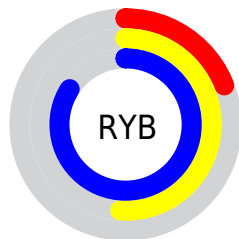
The CIELCh color **78, 41.331, 196.545** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **48, 75.021, 33.129**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.890, 197.097**, and **59, 35.044, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.905, 196.440**, and if you desaturate by 10%, it is **78, 38.830, 196.710**.

Distribution



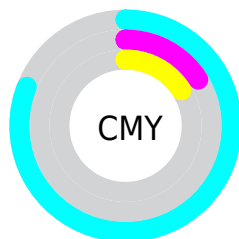
- Red (19%)
- Green (84%)
- Blue (84%)



- Red (19%)
- Yellow (51%)
- Blue (84%)



- Cyan (78%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)




- Cyan (81%)
- Magenta (16%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 41.331, 196.545 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, 41.331, 196.545 by changing the saturation by 10% instead.


 78, 41.331,
196.545

 78, 41.331,
196.545


 100, 41.331,
196.545


 68, 41.331,
196.545


 98, 41.331,
196.545

 58, 41.331,
196.545

 48, 41.331,
196.545

 38, 41.331,
196.545

 28, 41.331,
196.545

 18, 41.331,
196.545

 8, 41.331, 196.545

0, 41.331, 196.545

78, 41.331,
196.545

78, 41.331,
196.545

78, 42.905,
196.440

78, 38.830,
196.710

78, 43.678,
196.389

79, 35.369,
196.941

78, 43.809,
196.380

80, 30.971,
197.239

81, 25.705,
197.602

82, 19.673,
198.027

83, 12.993,
198.512

■ 84, 5.791, 199.083

■ 86, 1.813, 19.215

■ 88, 9.712, 20.056

Harmonies

Complementary

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



78, 41.331, 196.545



48, 75.021, 33.129

Rectangle

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



78, 41.331, 196.545



78, 41.331, 246.545



78, 41.331, 16.545



78, 41.331, 66.545

Sweetspot

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



78, 41.330, 196.544



96, 19.208, 198.234



75, 95.187, 137.141



51, 13.123, 198.062



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, 41.330, 196.544



91, 49.723, 196.403



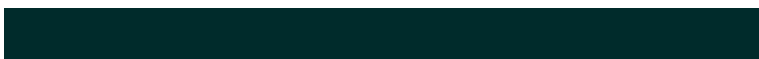
54, 48.347, 272.779



44, 4.287, 198.970



63, 37.124, 196.380



15, 14.559, 196.381

Inverse Universe

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



48, 75.021, 33.129



54, 100.889, 38.548



61, 61.200, 63.779



42, 4.550, 19.926



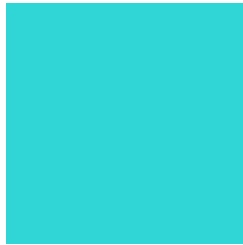
35, 77.347, 39.897



5, 22.000, 19.765

Previews

White Background



This preview shows how the CIELCh color 78, 41.331, 196.545 looks on a white background.

Color Contrast Check

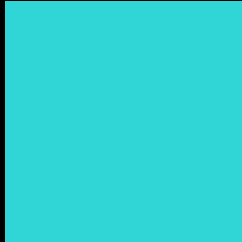
Large Text (above 18pt) WCAG AA × Fail

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, 41.331, 196.545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

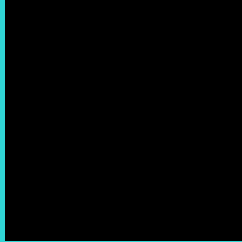
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

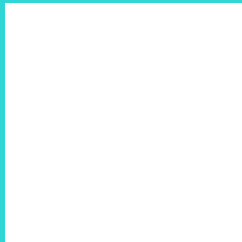
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 41.331, 196.545

Background



This preview shows how black text looks on a background with the CIELCh color 78, 41.331, 196.545.

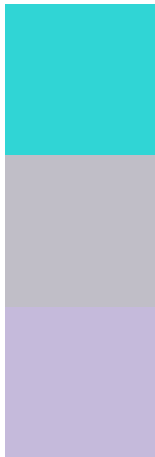


This preview shows how white text looks on a background with the CIELCh color 78, 41.331, 196.545.

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](#).

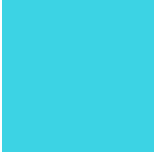
Dichromacy



Original Color
78, 41.236, 196.552

Protanopia
77, 4.900, 299.141

Deuteranopia
77, 18.214, 303.924



Tritanopia
78, 38.375, 210.809

Trichromacy



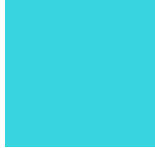
Original Color
78, 41.236, 196.552



Protanomaly
76, 19.362, 207.704



Deuteranomaly
76, 20.084, 232.849

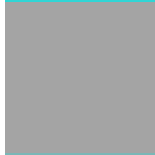


Tritanomaly
78, 39.179, 205.535

Monochromacy



Original Color
78, 41.236, 196.552



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 20.207, 197.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 41.331, 196.545 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(48, 213, 213)` looks like.

```
.text, #text, p{  
    color:rgb(48, 213, 213)  
}
```

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(48, 213, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 213, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 41.331, 196.545 is called "border". The border property can be set on classes, ids or directly on the HTML element.

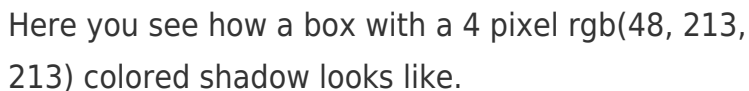
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 213, 213) }
```

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

```
.border{ border-color:rgb(48, 213, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 213, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(48, 213, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(48, 213, 213); box-shadow:4px 4px 4px 4px rgb(48, 213, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 41.331, 196.545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 213, 213) }
```

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

```
.background{ background-color: rgb(48, 213,  
213) }
```

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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