

Converting Colors

CIELCh(78, 42.044, 196.738)

Have a look what the booklet for
CIELCh(78, 42.044, 196.738)
contains.

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Color

CIELCh(78, 42.105, 196.504)

Conversions

Conversions Part 1

Format	Color
Hex	27D6D6
RGB	39, 214, 214
RGB Percent	15%, 84%, 84%
CMY	0.8457, 0.1620, 0.1620
CMYK	0.82, 0.00, 0.00, 0.16
HSL	180°, 69%, 50%
HSV	180°, 82%, 84%
XYZ	36.9148, 53.2120, 71.7372
YIQ	161.6750, -104.3000, -37.1000

Conversions

Conversions Part 2

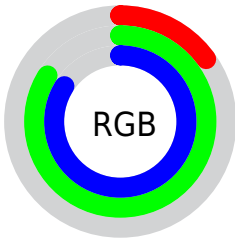
Format	Color
RYB	39, 127, 214
Decimal	2610902
CIELab	78.00, -40.37, -11.96
CIELCh	78, 42.105, 196.504
Yxy	53.2120, 0.2281, 0.3287
Android (android.graphics.Color)	4280800982 (0xFF27D6D6)
YUV	161.6750, 25.7962, -107.5860
Hunter-Lab	72.9466, -37.3261, -7.2444

Details

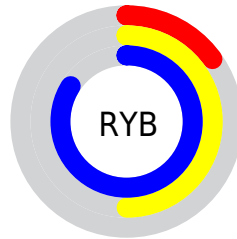
The CIELCh color **78, 42.105, 196.504** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 78.827, 34.554**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **59, 35.206, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **78, 43.340, 196.422**, and if you desaturate by 10%, it is **78, 39.974, 196.643**.

Distribution



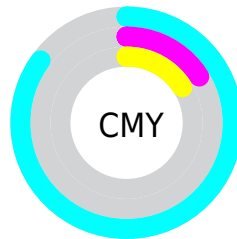
- Red (15%)
- Green (84%)
- Blue (84%)



- Red (15%)
- Yellow (50%)
- Blue (84%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)




- Cyan (85%)
- Magenta (16%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 42.105, 196.504 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, 42.105, 196.504 by changing the saturation by 10% instead.

 78, 42.105,
196.504

 78, 42.105,
196.504


 100, 42.105,
196.504

 68, 42.105,
196.504


 98, 42.105,
196.504

 58, 42.105,
196.504

 48, 42.105,
196.504

 38, 42.105,
196.504

 28, 42.105,
196.504

 18, 42.105,
196.504

 8, 42.105, 196.504

■ 0, 42.105, 196.504

■ 78, 42.105,
196.504

■ 78, 42.105,
196.504

■ 78, 43.340,
196.422

■ 78, 39.974,
196.643

■ 78, 43.858,
196.388

■ 79, 36.888,
196.848

■ 79, 32.848,
197.120

■ 80, 27.907,
197.457

■ 81, 22.156,
197.858

■ 82, 15.708,
198.318

■ 84, 8.688, 198.846

■ 85, 1.219, 199.794

■ 87, 6.586, 19.801

Harmonies

Complementary

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



78, 42.105, 196.504



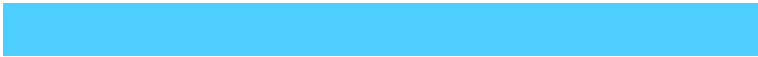
47, 78.827, 34.554

Rectangle

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



78, 42.105, 196.504



78, 42.105, 246.504



78, 42.105, 16.504



78, 42.105, 66.504

Sweetspot

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



78, 42.104, 196.503



96, 19.973, 198.190



75, 98.135, 136.971



51, 13.543, 198.023



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, 42.104, 196.503



91, 50.012, 196.394



52, 52.192, 276.295



44, 4.287, 198.975



63, 37.122, 196.388



15, 14.558, 196.388

Inverse Universe

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



52, 95.538, 328.042



60, 115.234, 328.223



61, 64.196, 64.587



42, 7.847, 324.937



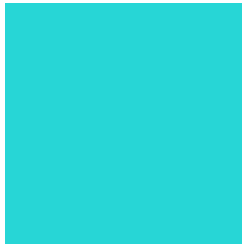
41, 85.605, 328.233



6, 32.951, 328.043

Previews

White Background



This preview shows how the CIELCh color 78, 42.105, 196.504 looks on a white background.

Color Contrast Check

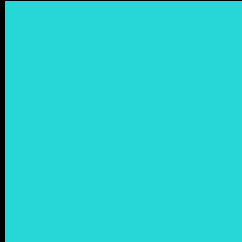
Large Text (above 18pt) WCAG AA × Fail

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, 42.105, 196.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

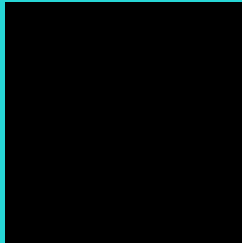
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

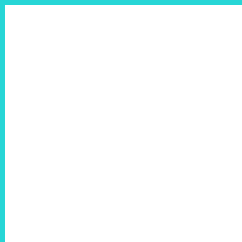
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 42.105, 196.504

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.105, 196.504.

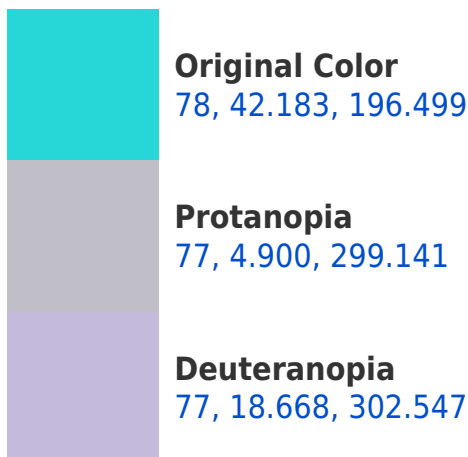


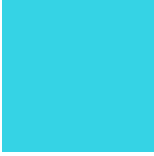
This preview shows how white text looks on a background with the CIELCh color 78, 42.105, 196.504.

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
78, 39.099, 211.337

Trichromacy



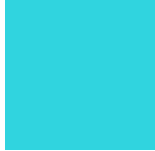
Original Color
78, 42.183, 196.499



Protanomaly
76, 20.777, 205.417



Deuteranomaly
76, 21.259, 232.407

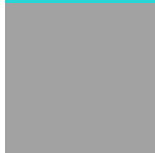


Tritanomaly
78, 39.974, 205.310

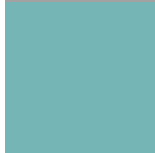
Monochromacy



Original Color
78, 42.183, 196.499



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 21.364, 197.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.105, 196.504 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(39, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(39, 214, 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(39, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 214, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.105, 196.504 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(39, 214, 214) }
```

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

```
.border{ border-color:rgb(39, 214, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 214, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(39, 214,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.105, 196.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 214, 214) }
```

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

```
.background{ background-color: rgb(39, 214,  
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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