

Converting Colors

CIELCh(78, 42.319, 196.502)

Have a look what the booklet for
CIELCh(78, 42.319, 196.502)
contains.

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Color

CIELCh(78, 42.333, 196.489)

Conversions

Conversions Part 1

Format	Color
Hex	25D6D6
RGB	37, 214, 214
RGB Percent	15%, 84%, 84%
CMY	0.8568, 0.1616, 0.1616
CMYK	0.83, 0.00, 0.00, 0.16
HSL	180°, 71%, 49%
HSV	180°, 83%, 84%
XYZ	36.8475, 53.2120, 71.8042
YIQ	161.0770, -105.4920, -37.5240

Conversions

Conversions Part 2

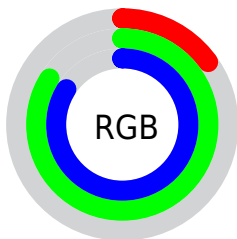
Format	Color
R_{YB}	37, 126, 214
Decimal	2479830
CIE _{Lab}	78.00, -40.59, -12.02
CIE _{LCh}	78, 42.333, 196.489
Yxy	53.2120, 0.2276, 0.3287
Android (android.graphics.Color)	4280669910 (0xFF25D6D6)
YUV	161.0770, 26.0910, -108.8155
Hunter-Lab	72.9466, -37.4907, -7.2989

Details

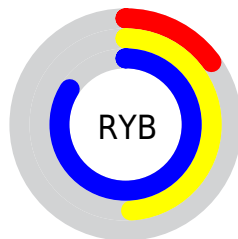
The CIELCh color **78, 42.333, 196.489** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **47, 80.055, 35.033**, and the grayscale version is **66, 0.008, 296.813**.

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, 43.458, 196.414**, and if you desaturate by 10%, it is **78, 40.325, 196.620**.

Distribution



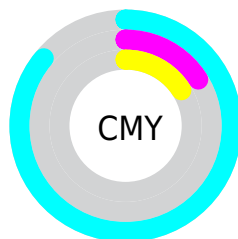
- Red (15%)
- Green (84%)
- Blue (84%)



- Red (15%)
- Yellow (49%)
- Blue (84%)



- Cyan (83%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (86%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 42.333, 196.489 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, 42.333, 196.489 by changing the saturation by 10% instead.

 78, 42.333,
196.489

 78, 42.333,
196.489

 100, 42.333,
196.489

 68, 42.333,
196.489

 98, 42.333,
196.489

 58, 42.333,
196.489

 48, 42.333,
196.489

 38, 42.333,
196.489

 28, 42.333,
196.489

 18, 42.333,
196.489

 8, 42.333, 196.489

0, 42.333, 196.489

78, 42.333,
196.489

78, 42.333,
196.489

78, 43.458,
196.414

78, 40.325,
196.620

78, 43.873,
196.387

79, 37.366,
196.816

79, 33.449,
197.079

80, 28.621,
197.408

81, 22.969,
197.800

82, 16.605,
198.253

■ 84, 9.651, 198.771

■ 85, 2.232, 199.504

■ 87, 5.537, 19.706

Harmonies

Complementary

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



78, 42.333, 196.489



47, 80.055, 35.033

Rectangle

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



78, 42.333, 196.489



78, 42.333, 246.489



78, 42.333, 16.489



78, 42.333, 66.489

Sweetspot

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



78, 42.332, 196.488



96, 20.731, 198.142



75, 98.948, 136.864



51, 13.959, 197.979



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, 42.332, 196.488



91, 50.064, 196.390



52, 53.028, 276.871



44, 4.287, 198.974



63, 37.122, 196.387



15, 14.558, 196.387

Inverse Universe

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



52, 96.240, 328.065



60, 115.400, 328.228



61, 65.189, 64.339



42, 7.847, 324.937



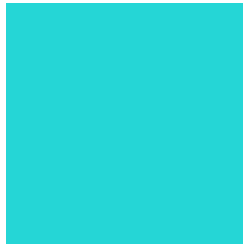
41, 85.605, 328.233



6, 32.951, 328.043

Previews

White Background



This preview shows how the CIELCh color 78, 42.333, 196.489 looks on a white background.

Color Contrast Check

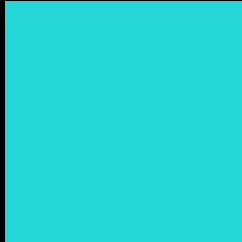
Large Text (above 18pt) WCAG AA × Fail

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, 42.333, 196.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

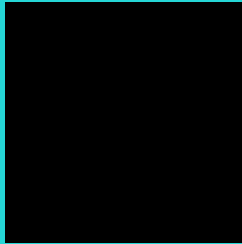
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

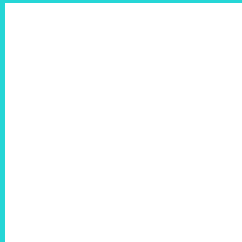
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 42.333, 196.489

Background



This preview shows how black text looks on a background with the CIELCh color 78, 42.333, 196.489.

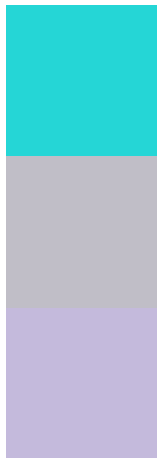


This preview shows how white text looks on a background with the CIELCh color 78, 42.333, 196.489.

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

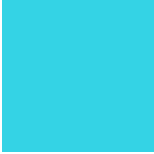
78, 42.333, 196.489

Protanopia

77, 4.900, 299.141

Deuteranopia

77, 18.668, 302.547



Tritanopia
78, 39.195, 211.295

Trichromacy



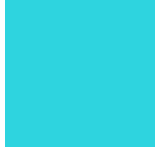
Original Color
78, 42.333, 196.489



Protanomaly
76, 21.059, 205.296



Deuteranomaly
76, 21.490, 231.978

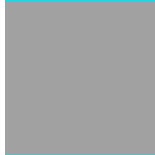


Tritanomaly
78, 40.153, 205.261

Monochromacy



Original Color
78, 42.333, 196.489



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 21.370, 197.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 42.333, 196.489 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(37, 214, 214)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 214, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 214, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 42.333, 196.489 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(37, 214, 214) }
```

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

```
.border{ border-color:rgb(37, 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(37, 214, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 214, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 214, 214);  
box-shadow:4px 4px 4px 4px rgb(37, 214,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 42.333, 196.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 214, 214) }
```

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

```
.background{ background-color: rgb(37, 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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