

Converting Colors

CIELCh(78, 45.172, 191.506)

Have a look what the booklet for
CIELCh(78, 45.172, 191.506)
contains.

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Color

CIELCh(78, 45.170, 191.462)

Conversions

Conversions Part 1

Format	Color
Hex	02D7D0
RGB	2, 215, 208
RGB Percent	1%, 84%, 82%
CMY	0.9903, 0.1566, 0.1840
CMYK	0.99, 0.00, 0.03, 0.16
HSL	178°, 98%, 43%
HSV	178°, 99%, 84%
XYZ	35.7438, 53.2120, 68.1086
YIQ	150.5150, -124.7010, -47.3330

Conversions

Conversions Part 2

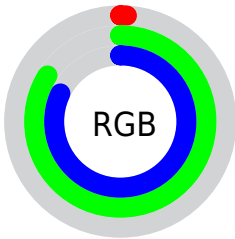
Format	Color
RYB	2, 110, 215
Decimal	186320
CIELab	78.00, -44.27, -8.98
CIELCh	78, 45.170, 191.462
Yxy	53.2120, 0.2276, 0.3388
Android (android.graphics.Color)	4278376400 (0xFF02D7D0)
YUV	150.5150, 28.3401, -130.2477
Hunter-Lab	72.9466, -40.1915, -4.2951

Details

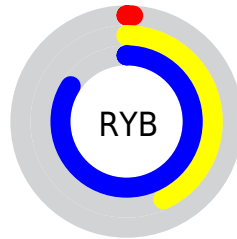
The CIELCh color **78, 45.170, 191.462** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **45, 90.022, 38.644**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.542, 196.941**, and **59, 36.079, 191.726** is the 20% darker color. If you saturate the color by 10%, you get **78, 45.250, 191.408**, and if you desaturate by 10%, it is **78, 44.315, 191.926**.

Distribution



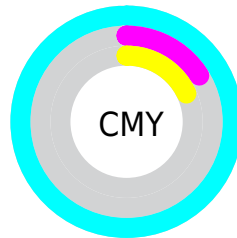
- Red (1%)
- Green (84%)
- Blue (82%)



- Red (1%)
- Yellow (43%)
- Blue (84%)



- Cyan (99%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)





- Cyan (99%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 45.170, 191.462 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, 45.170, 191.462 by changing the saturation by 10% instead.


 78, 45.170,
191.462


 78, 45.170,
191.462


 100, 45.170,
191.462


 68, 45.170,
191.462


 98, 45.170,
191.462

 58, 45.170,
191.462

 48, 45.170,
191.462

 38, 45.170,
191.462

 28, 45.170,
191.462

 18, 45.170,
191.462

 8, 45.170, 191.462

■ 0, 45.170, 191.462

■ 78, 45.170,
191.462

■ 78, 45.170,
191.462

■ 78, 45.250,
191.408

■ 78, 44.315,
191.926

■ 78, 42.685,
192.386

■ 79, 40.128,
192.851

■ 79, 36.605,
193.332

■ 80, 32.143,
193.838

■ 81, 26.813,
194.371

■ 82, 20.721,
194.936

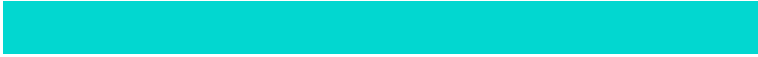
■ 83, 13.988,
195.536

■ 85, 6.742, 196.192

Harmonies

Complementary

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



78, 45.170, 191.462



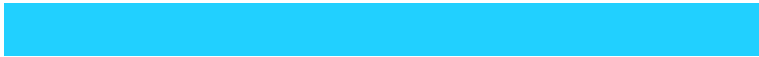
45, 90.022, 38.644

Rectangle

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



78, 45.170, 191.462



78, 45.170, 241.462



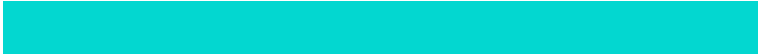
78, 45.170, 11.462



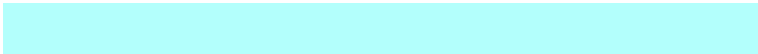
78, 45.170, 61.462

Sweetspot

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



78, 45.170, 191.461



95, 24.607, 194.853



75, 104.914, 135.941



50, 16.514, 194.610



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, 45.170, 191.461



91, 51.470, 191.361



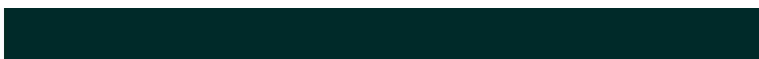
49, 59.263, 280.595



44, 4.303, 196.152



63, 38.098, 191.483



15, 14.864, 192.359

Inverse Universe

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



45, 90.022, 38.644



53, 103.304, 39.104



56, 75.652, 57.786



42, 4.550, 17.262



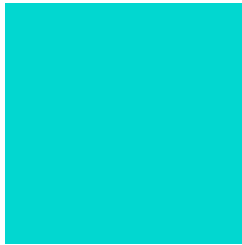
35, 75.959, 38.547



5, 21.976, 18.299

Previews

White Background



This preview shows how the CIE LCh color 78, 45.170, 191.462 looks on a white background.

Color Contrast Check

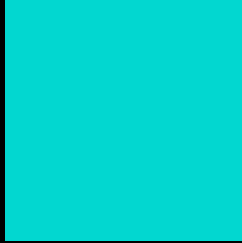
Large Text (above 18pt) WCAG AA × Fail

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, 45.170, 191.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

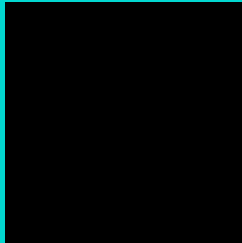
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

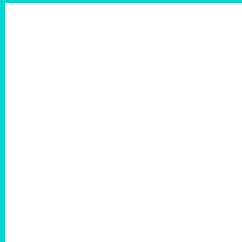
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 45.170, 191.462

Background



This preview shows how black text looks on a background with the CIELCh color 78, 45.170, 191.462.

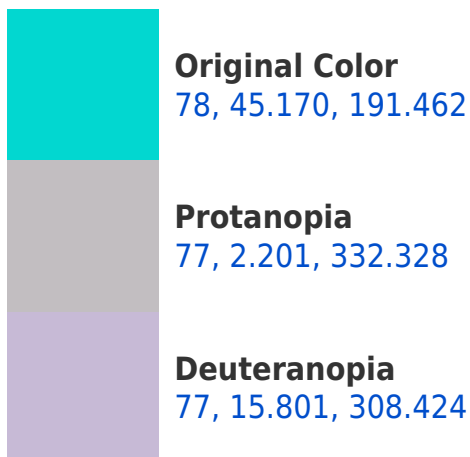


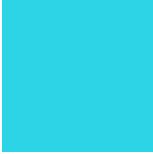
This preview shows how white text looks on a background with the CIELCh color 78, 45.170, 191.462.

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, 39.996, 210.132

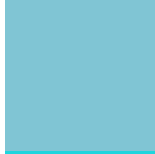
Trichromacy



Original Color
78, 45.170, 191.462



Protanomaly
76, 24.412, 196.323



Deuteranomaly
76, 22.943, 218.739

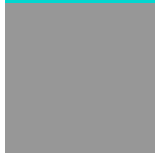


Tritanomaly
78, 41.710, 202.558

Monochromacy



Original Color
78, 45.170, 191.462



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 25.086, 194.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 45.170, 191.462 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(2, 215, 208)` looks like.

```
.text, #text, p{  
    color:rgb(2, 215, 208)  
}
```

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(2, 215, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 215, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 45.170, 191.462 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(2, 215, 208) }
```

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

```
.border{ border-color:rgb(2, 215, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 215, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 215, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 215, 208);  
box-shadow:4px 4px 4px 4px rgb(2, 215,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 45.170, 191.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 215, 208) }
```

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

```
.background{ background-color: rgb(2, 215,  
208) }
```

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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