

Converting Colors

CIELCh(78, 41.928, 218.961)

Have a look what the booklet for
CIELCh(78, 41.928, 218.961)
contains.

CIELCh(78, 41.987, 218.884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 41.987, 218.884)

Conversions

Conversions Part 1

Format	Color
Hex	05D4F1
RGB	5, 212, 241
RGB Percent	2%, 83%, 95%
CMY	0.9803, 0.1704, 0.0567
CMYK	0.98, 0.12, 0.00, 0.06
HSL	187°, 96%, 48%
HSV	187°, 98%, 94%
XYZ	39.2978, 53.2120, 91.0528
YIQ	153.4130, -132.6810, -34.8650

Conversions

Conversions Part 2

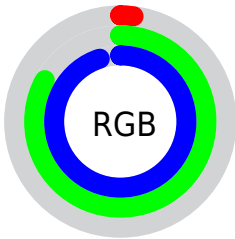
Format	Color
R _{YB}	5, 115, 241
Decimal	382193
CIE Lab	78.00, -32.68, -26.36
CIE LCh	78, 41.987, 218.884
Yxy	53.2120, 0.2141, 0.2899
Android (android.graphics.Color)	4278572273 (0xFF05D4F1)
YUV	153.4130, 43.1804, -130.1582
Hunter-Lab	72.9466, -31.4948, -22.9439

Details

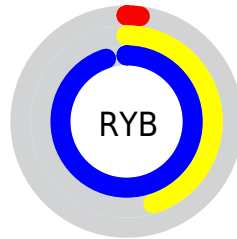
The CIELCh color **78, 41.987, 218.884** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **52, 96.657, 41.088**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.632, 196.994**, and **60, 34.242, 224.955** is the 20% darker color. If you saturate the color by 10%, you get **78, 42.042, 219.363**, and if you desaturate by 10%, it is **79, 41.510, 216.712**.

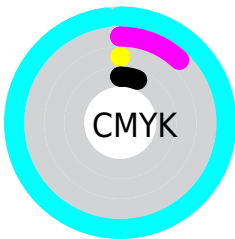
Distribution



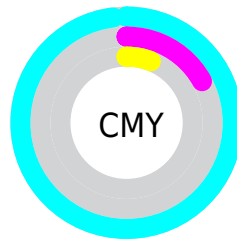
- Red (2%)
- Green (83%)
- Blue (95%)



- Red (2%)
- Yellow (45%)
- Blue (95%)



- Cyan (98%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)





- Cyan (98%)
- Magenta (17%)
- Yellow (6%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 41.987, 218.884 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, 41.987, 218.884 by changing the saturation by 10% instead.

 78, 41.987,
218.884

 78, 41.987,
218.884

 100, 41.987,
218.884

 68, 41.987,
218.884


 98, 41.987,
218.884

 58, 41.987,
218.884

 48, 41.987,
218.884

 38, 41.987,
218.884

 28, 41.987,
218.884

 18, 41.987,
218.884

 8, 41.987, 218.884

■ 0, 41.987, 218.884

■ 78, 41.987,
218.884

■ 78, 41.987,
218.884

■ 78, 42.042,
219.363

■ 79, 41.510,
216.712

■ 80, 40.212,
214.958

■ 81, 37.950,
213.599

■ 83, 34.690,
212.583

■ 85, 30.463,
211.858

■ 86, 25.354,
211.375

■ 89, 19.472,
211.090

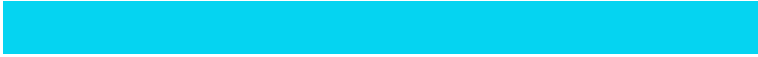
■ 91, 12.941,
210.972

■ 93, 5.884, 211.020

Harmonies

Complementary

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



78, 41.987, 218.884



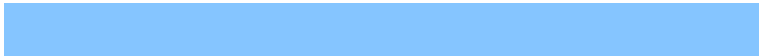
52, 96.657, 41.088

Rectangle

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



78, 41.987, 218.884



78, 41.987, 268.884



78, 41.987, 38.884



78, 41.987, 88.884

Sweetspot

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



78, 41.986, 218.883



93, 21.112, 211.115



83, 111.320, 137.114



49, 14.235, 211.223



0, 0.000, 0.000



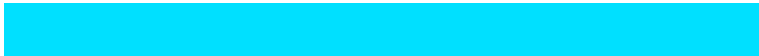
53, 0.007, 296.813

Same Dimension

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



78, 41.986, 218.883



82, 43.934, 219.445



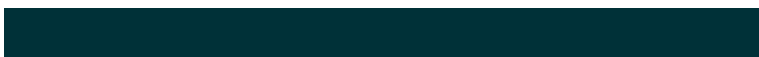
45, 85.662, 293.459



49, 4.194, 210.997



61, 34.369, 218.923



18, 15.158, 215.396

Inverse Universe

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



56, 100.074, 333.807



59, 104.742, 333.955



70, 78.450, 70.923



47, 7.910, 328.517



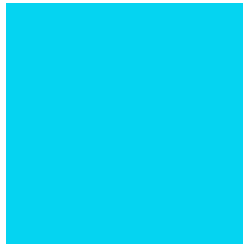
42, 81.998, 333.825



10, 36.275, 332.956

Previews

White Background



This preview shows how the CIE LCh color 78, 41.987, 218.884 looks on a white background.

Color Contrast Check

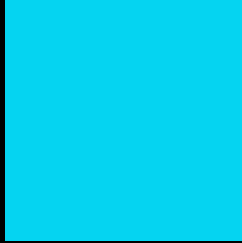
Large Text (above 18pt) WCAG AA × Fail

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, 41.987, 218.884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

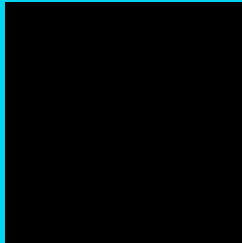
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 41.987, 218.884

Background



This preview shows how black text looks on a background with the CIELCh color 78, 41.987, 218.884.



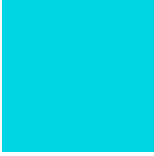
This preview shows how white text looks on a background with the CIELCh color 78, 41.987, 218.884.

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



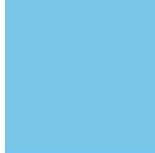


Tritanopia
78, 42.203, 209.287

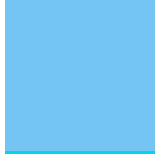
Trichromacy



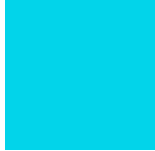
Original Color
78, 42.052, 218.844



Protanomaly
76, 28.514, 236.970



Deuteranomaly
76, 32.935, 249.017

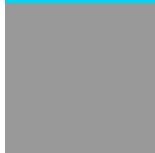


Tritanomaly
78, 41.927, 213.300

Monochromacy



Original Color
78, 42.052, 218.844



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 24.077, 212.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 41.987, 218.884 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(5, 212, 241)` looks like.

```
.text, #text, p{  
    color:rgb(5, 212, 241)  
}
```

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(5, 212, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 212, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 41.987, 218.884 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(5, 212, 241) }
```

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

```
.border{ border-color:rgb(5, 212, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 212, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 212, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 212, 241);  
box-shadow:4px 4px 4px 4px rgb(5, 212,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 41.987, 218.884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 212, 241) }
```

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

```
.background{ background-color: rgb(5, 212,  
241) }
```

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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