

Converting Colors

CIELCh(78, 43.299, 232.419)

Have a look what the booklet for
CIELCh(78, 43.299, 232.419)
contains.

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Color

CIELCh(78, 43.242, 232.475)

Conversions

Conversions Part 1

Format	Color
Hex	16D1FF
RGB	22, 209, 255
RGB Percent	9%, 82%, 100%
CMY	0.9148, 0.1788, 0.0000
CMYK	0.91, 0.18, 0.00, 0.00
HSL	192°, 100%, 54%
HSV	192°, 91%, 100%
XYZ	41.3403, 53.2120, 103.0513
YIQ	158.3310, -126.2180, -25.3380

Conversions

Conversions Part 2

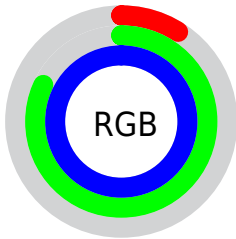
Format	Color
R_{YB}	22, 126, 255
Decimal	1495551
CIE _{Lab}	78.00, -26.34, -34.29
CIE _{LCh}	78, 43.242, 232.475
Yxy	53.2120, 0.2092, 0.2693
Android (android.graphics.Color)	4279685631 (0xFF16D1FF)
YUV	158.3310, 47.6578, -119.5623
Hunter-Lab	72.9466, -26.4970, -32.6961

Details

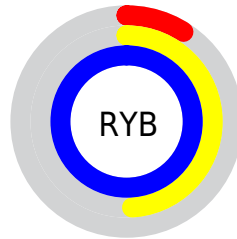
The CIELCh color **78, 43.242, 232.475** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **57, 93.700, 43.007**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **59, 36.864, 240.606** is the 20% darker color. If you saturate the color by 10%, you get **77, 43.922, 235.424**, and if you desaturate by 10%, it is **80, 41.761, 228.880**.

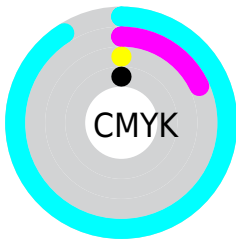
Distribution



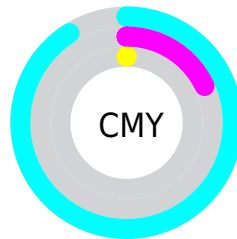
- Red (9%)
- Green (82%)
- Blue (100%)



- Red (9%)
- Yellow (49%)
- Blue (100%)



- Cyan (91%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (18%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 43.242, 232.475 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, 43.242, 232.475 by changing the saturation by 10% instead.


 78, 43.242,
232.475


 78, 43.242,
232.475


 100, 43.242,
232.475


 68, 43.242,
232.475


 98, 43.242,
232.475

 58, 43.242,
232.475

 48, 43.242,
232.475

 38, 43.242,
232.475

 28, 43.242,
232.475

 18, 43.242,
232.475

 8, 43.242, 232.475

■ 0, 43.242, 232.475

■ 78, 43.242,
232.475

■ 78, 43.242,
232.475

■ 77, 43.922,
235.424

■ 80, 41.761,
228.880

■ 82, 39.535,
226.220

■ 84, 36.394,
224.126

■ 86, 32.331,
222.513

■ 88, 27.401,
221.296

■ 91, 21.700,
220.401

■ 94, 15.341,
219.766

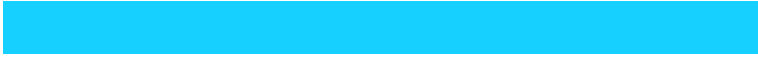
■ 97, 8.443, 219.352

■ 100, 1.114,
219.569

Harmonies

Complementary

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



78, 43.242, 232.475



57, 93.700, 43.007

Rectangle

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



78, 43.242, 232.475



78, 43.242, 282.475



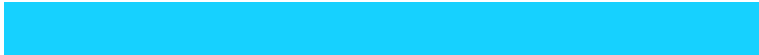
78, 43.242, 52.475



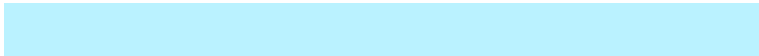
78, 43.242, 102.475

Sweetspot

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



78, 43.168, 232.170



92, 18.928, 220.088



88, 109.867, 139.151



48, 12.594, 220.322



0, 0.000, 0.000



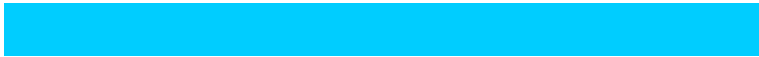
53, 0.007, 296.813

Same Dimension

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



78, 43.168, 232.170



77, 43.922, 235.424



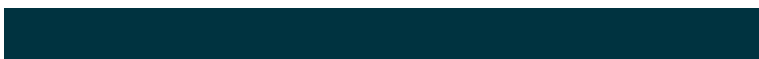
47, 93.146, 295.280



52, 4.205, 219.299



59, 35.321, 234.680



19, 16.142, 229.528

Inverse Universe

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



58, 98.508, 337.194



58, 99.010, 338.116



79, 80.391, 78.721



50, 7.908, 330.937



43, 79.949, 337.910



11, 37.438, 336.521

Previews

White Background



This preview shows how the CIE LCh color 78, 43.242, 232.475 looks on a white background.

Color Contrast Check

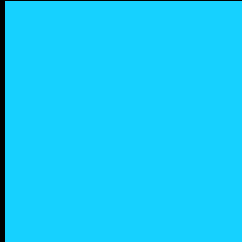
Large Text (above 18pt) WCAG AA × Fail

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, 43.242, 232.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

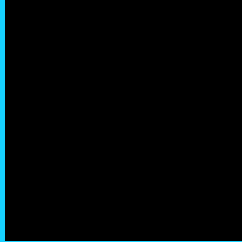
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 43.242, 232.475

Background



This preview shows how black text looks on a background with the CIELCh color 78, 43.242, 232.475.

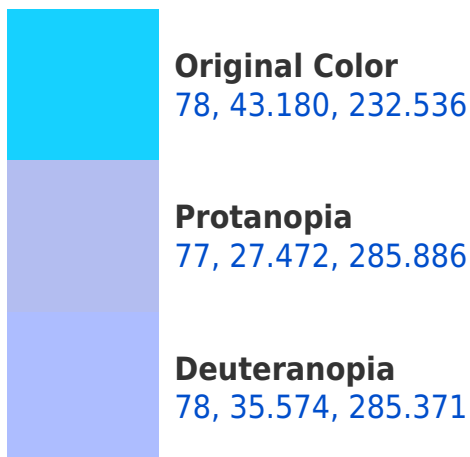


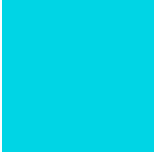
This preview shows how white text looks on a background with the CIELCh color 78, 43.242, 232.475.

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, 42.240, 208.507

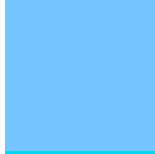
Trichromacy



Original Color
78, 43.180, 232.536



Protanomaly
76, 32.829, 252.463



Deuteranomaly
76, 37.198, 257.811

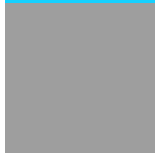


Tritanomaly
78, 41.859, 216.525

Monochromacy



Original Color
78, 43.180, 232.536



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 23.072, 220.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 43.242, 232.475 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(22, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 209, 255)  
}
```

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(22, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 209, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 43.242, 232.475 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(22, 209, 255) }
```

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

```
.border{ border-color:rgb(22, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 209,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 43.242, 232.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 209, 255) }
```

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

```
.background{ background-color: rgb(22, 209,  
255) }
```

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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