

Converting Colors

CIELCh(78, 40.425, 224.847)

Have a look what the booklet for
CIELCh(78, 40.425, 224.847)
contains.

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Color

CIELCh(78, 40.482, 225.084)

Conversions

Conversions Part 1

Format	Color
Hex	2ED2F5
RGB	46, 210, 245
RGB Percent	18%, 82%, 96%
CMY	0.8203, 0.1768, 0.0396
CMYK	0.81, 0.14, 0.00, 0.04
HSL	191°, 91%, 57%
HSV	191°, 81%, 96%
XYZ	40.6099, 53.2120, 94.4426
YIQ	164.9540, -108.9790, -23.8830

Conversions

Conversions Part 2

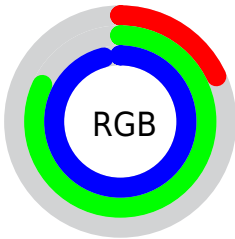
Format	Color
R _Y B	46, 136, 245
Decimal	3068661
CIE Lab	78.00, -28.58, -28.67
CIE LCh	78, 40.482, 225.084
Yxy	53.2120, 0.2157, 0.2826
Android (android.graphics.Color)	4281258741 (0xFF2ED2F5)
YUV	164.9540, 39.4627, -104.3227
Hunter-Lab	72.9466, -28.2841, -25.6991

Details

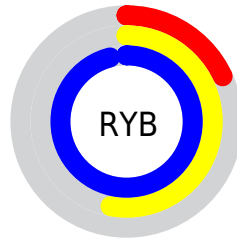
The CIELCh color **78, 40.482, 225.084** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **58, 81.277, 41.300**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **59, 34.828, 231.232** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.715, 227.988**, and if you desaturate by 10%, it is **80, 38.401, 222.756**.

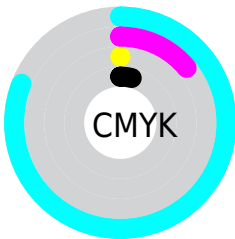
Distribution



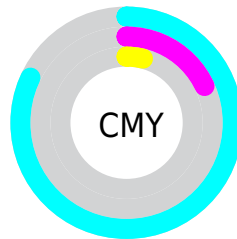
- Red (18%)
- Green (82%)
- Blue (96%)



- Red (18%)
- Yellow (53%)
- Blue (96%)



- Cyan (81%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)





- Cyan (82%)
- Magenta (18%)
- Yellow (4%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 40.482, 225.084 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, 40.482, 225.084 by changing the saturation by 10% instead.


 78, 40.482,
225.084


 78, 40.482,
225.084


 100, 40.482,
225.084


 68, 40.482,
225.084


 98, 40.482,
225.084

 58, 40.482,
225.084

 48, 40.482,
225.084

 38, 40.482,
225.084

 28, 40.482,
225.084

 18, 40.482,
225.084

 8, 40.482, 225.084

■ 0, 40.482, 225.084

■ 78, 40.482,
225.084

■ 78, 40.482,
225.084

■ 76, 41.715,
227.988

■ 80, 38.401,
222.756

■ 75, 42.297,
230.951

■ 82, 35.394,
220.939

■ 84, 31.462,
219.555

■ 86, 26.665,
218.529

■ 88, 21.101,
217.792

■ 91, 14.884,
217.291

■ 93, 8.130, 216.993

■ 96, 0.951, 217.393

■ 98, 2.929, 59.896

Harmonies

Complementary

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



78, 40.482, 225.084



58, 81.277, 41.300

Rectangle

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



78, 40.482, 225.084



78, 40.482, 275.084



78, 40.482, 45.084



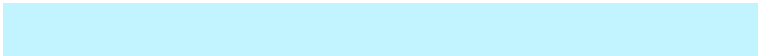
78, 40.482, 95.084

Sweetspot

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



78, 40.481, 225.084



93, 17.180, 217.408



85, 100.323, 140.377



49, 11.653, 217.583



0, 0.000, 0.000



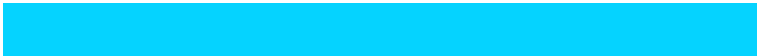
53, 0.007, 296.813

Same Dimension

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



78, 40.481, 225.084



78, 43.489, 230.338



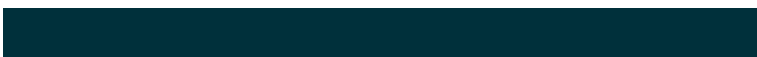
50, 77.105, 290.480



50, 4.113, 216.963



58, 34.407, 230.293



18, 15.292, 225.231

Inverse Universe

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



58, 93.767, 335.234



58, 100.433, 336.729



77, 72.429, 79.411



48, 7.755, 330.252



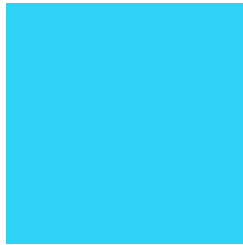
42, 79.545, 336.724



10, 35.999, 335.409

Previews

White Background



This preview shows how the CIE LCh color 78, 40.482, 225.084 looks on a white background.

Color Contrast Check

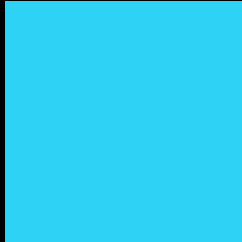
Large Text (above 18pt) WCAG AA × Fail

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, 40.482, 225.084 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, 40.482, 225.084

Background



This preview shows how black text looks on a background with the CIELCh color 78, 40.482, 225.084.

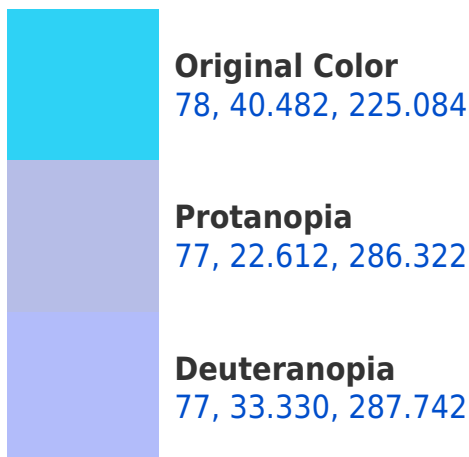


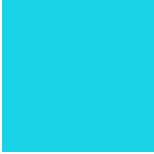
This preview shows how white text looks on a background with the CIELCh color 78, 40.482, 225.084.

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



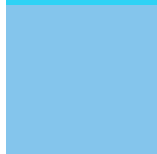


Tritanopia
78, 41.305, 210.411

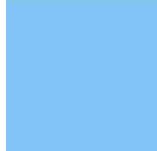
Trichromacy



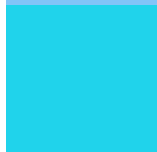
Original Color
78, 40.482, 225.084



Protanomaly
77, 27.878, 247.658



Deuteranomaly
77, 32.944, 257.307

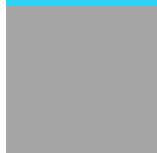


Tritanomaly
78, 40.759, 215.502

Monochromacy



Original Color
78, 40.482, 225.084



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 20.215, 218.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 40.482, 225.084 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(46, 210, 245)` looks like.

```
.text, #text, p{  
    color:rgb(46, 210, 245)  
}
```

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(46, 210, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 210, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 40.482, 225.084 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(46, 210, 245) }
```

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

```
.border{ border-color:rgb(46, 210, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 210, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 210, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 210, 245);  
box-shadow:4px 4px 4px 4px rgb(46, 210,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 40.482, 225.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 210, 245) }
```

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

```
.background{ background-color: rgb(46, 210,  
245) }
```

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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