

Converting Colors

CIELCh(79, 42.335, 229.650)

Have a look what the booklet for
CIELCh(79, 42.335, 229.650)
contains.

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Color

CIELCh(79, 42.402, 229.573)

Conversions

Conversions Part 1

Format	Color
Hex	24D5FF
RGB	36, 213, 255
RGB Percent	14%, 84%, 100%
CMY	0.8594, 0.1664, 0.0018
CMYK	0.86, 0.16, 0.00, 0.00
HSL	192°, 100%, 57%
HSV	192°, 86%, 100%
XYZ	42.3809, 54.9284, 102.5911
YIQ	164.8650, -118.9740, -24.4620

Conversions

Conversions Part 2

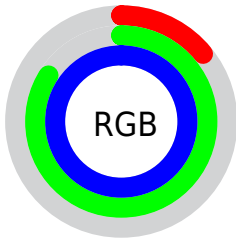
Format	Color
R _Y B	36, 134, 255
Decimal	2414079
CIE Lab	79.00, -27.50, -32.28
CIE LCh	79, 42.402, 229.573
Yxy	54.9284, 0.2120, 0.2748
Android (android.graphics.Color)	4280604159 (0xFF24D5FF)
YUV	164.8650, 44.4366, -113.0146
Hunter-Lab	74.1137, -27.6261, -30.1919

Details

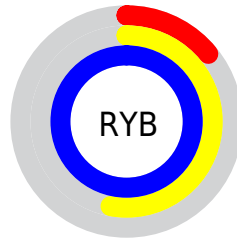
The CIELCh color **79, 42.402, 229.573** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **59, 88.285, 42.569**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **60, 36.372, 236.215** is the 20% darker color. If you saturate the color by 10%, you get **77, 43.466, 233.085**, and if you desaturate by 10%, it is **81, 40.584, 226.697**.

Distribution



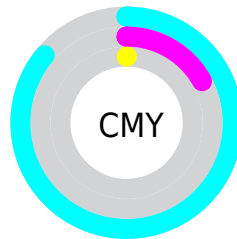
- Red (14%)
- Green (84%)
- Blue (100%)



- Red (14%)
- Yellow (53%)
- Blue (100%)



- Cyan (86%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (86%)
- Magenta (17%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 42.402, 229.573 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 79, 42.402, 229.573 by changing the saturation by 10% instead.


 79, 42.402,
229.573


 79, 42.402,
229.573


 100, 42.402,
229.573


 69, 42.402,
229.573


 99, 42.402,
229.573

 59, 42.402,
229.573

 49, 42.402,
229.573

 39, 42.402,
229.573

 29, 42.402,
229.573

 19, 42.402,
229.573

 9, 42.402, 229.573

0, 42.402, 229.573

79, 42.402,
229.573

79, 42.402,
229.573

77, 43.466,
233.085

81, 40.584,
226.697

77, 43.791,
234.643

83, 37.875,
224.411

85, 34.232,
222.637

87, 29.687,
221.288

90, 24.321,
220.288

92, 18.242,
219.568

■ 95, 11.569,
219.079

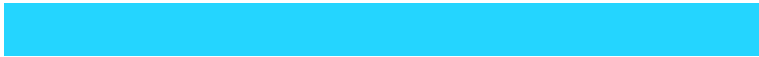
■ 98, 4.416, 218.832

100, 0.220,
109.809

Harmonies

Complementary

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



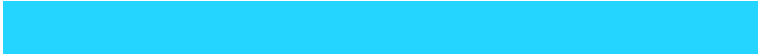
79, 42.402, 229.573



59, 88.285, 42.569

Rectangle

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



79, 42.402, 229.573



79, 42.402, 279.573



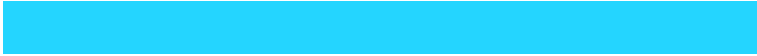
79, 42.402, 49.573



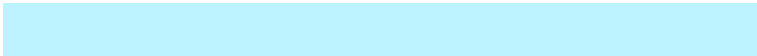
79, 42.402, 99.573

Sweetspot

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



79, 42.401, 229.573



92, 18.323, 219.573



88, 105.966, 140.039



48, 12.265, 219.795



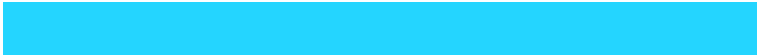
0, 0.000, 0.000



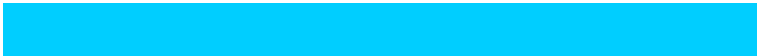
53, 0.007, 296.813

Same Dimension

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



79, 42.401, 229.573



77, 43.850, 234.647



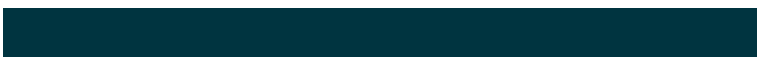
49, 86.833, 293.274



52, 4.213, 218.881



59, 35.270, 233.916



19, 16.137, 228.855

Inverse Universe

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



59, 97.334, 336.459



58, 99.272, 337.901



80, 77.806, 79.924



50, 7.928, 330.815



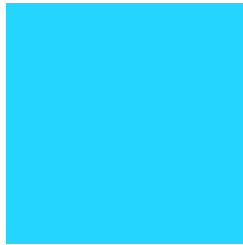
43, 80.158, 337.700



11, 37.526, 336.345

Previews

White Background



This preview shows how the CIE LCh color 79, 42.402, 229.573 looks on a white background.

Color Contrast Check

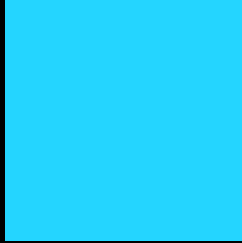
Large Text (above 18pt) WCAG AA × Fail

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 79, 42.402, 229.573 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 79, 42.402, 229.573

Background



This preview shows how black text looks on a background with the CIELCh color 79, 42.402, 229.573.

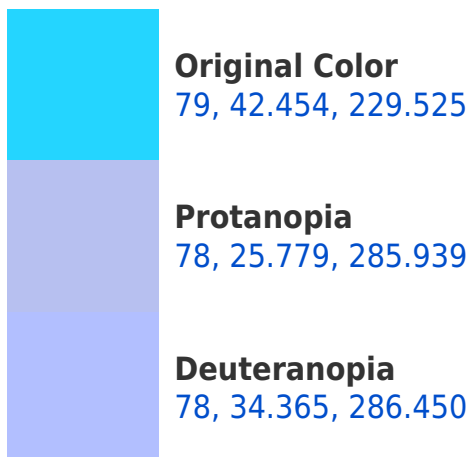


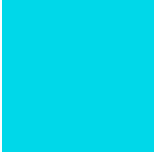
This preview shows how white text looks on a background with the CIELCh color 79, 42.402, 229.573.

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
79, 42.656, 209.114

Trichromacy



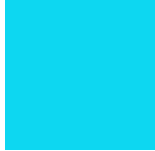
Original Color
79, 42.454, 229.525



Protanomaly
77, 31.130, 251.452



Deuteranomaly
78, 35.376, 257.332

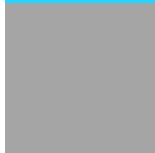


Tritanomaly
79, 42.182, 216.315

Monochromacy



Original Color
79, 42.454, 229.525



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 21.865, 221.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 42.402, 229.573 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(36, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(36, 213, 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(36, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 213, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 42.402, 229.573 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(36, 213, 255) }
```

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

```
.border{ border-color:rgb(36, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(36, 213,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 42.402, 229.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 213, 255) }
```

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

```
.background{ background-color: rgb(36, 213,  
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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