

Converting Colors

CIELCh(75, 42.827, 242.995)

Have a look what the booklet for
CIELCh(75, 42.827, 242.995)
contains.

CIELCh(75, 42.865, 243.139)	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(75, 42.865, 243.139)

Conversions

Conversions Part 1

Format	Color
Hex	31C6FE
RGB	49, 198, 254
RGB Percent	19%, 78%, 100%
CMY	0.8067, 0.2230, 0.0033
CMYK	0.81, 0.22, 0.00, 0.00
HSL	196°, 99%, 59%
HSV	196°, 81%, 100%
XYZ	39.4198, 48.2781, 101.1315
YIQ	159.8330, -106.7800, -14.1720

Conversions

Conversions Part 2

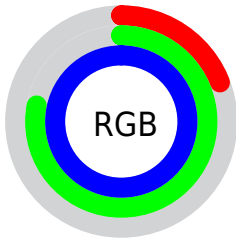
Format	Color
R _Y B	49, 135, 254
Decimal	3262206
CIE Lab	75.00, -19.37, -38.24
CIE LCh	75, 42.865, 243.139
Yxy	48.2781, 0.2088, 0.2557
Android (android.graphics.Color)	4281452286 (0xFF31C6FE)
YUV	159.8330, 46.4243, -97.2005
Hunter-Lab	69.4824, -20.3252, -37.6587

Details

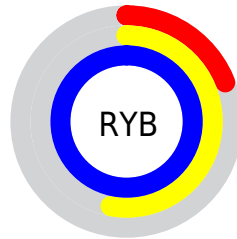
The CIELCh color **75, 42.865, 243.139** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **63, 79.004, 46.864**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.865, 197.158**, and **56, 38.612, 250.360** is the 20% darker color. If you saturate the color by 10%, you get **73, 45.309, 247.468**, and if you desaturate by 10%, it is **77, 39.843, 239.522**.

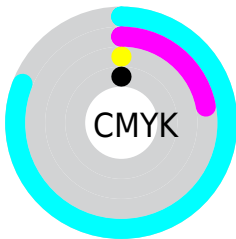
Distribution



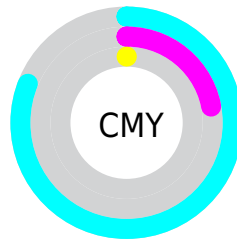
- Red (19%)
- Green (78%)
- Blue (100%)



- Red (19%)
- Yellow (53%)
- Blue (100%)



- Cyan (81%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (22%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.865, 243.139 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 75, 42.865, 243.139 by changing the saturation by 10% instead.


 75, 42.865,
243.139


 75, 42.865,
243.139


 100, 42.865,
243.139


 65, 42.865,
243.139


 95, 42.865,
243.139

 55, 42.865,
243.139

 45, 42.865,
243.139

 35, 42.865,
243.139

 25, 42.865,
243.139

 15, 42.865,
243.139

 5, 42.865, 243.139

■ 0, 42.865, 243.139

■ 75, 42.865,
243.139

■ 75, 42.865,
243.139

■ 73, 45.309,
247.468

■ 77, 39.843,
239.522

■ 71, 47.319,
252.051

■ 80, 36.122,
236.583

■ 83, 31.665,
234.241

■ 86, 26.503,
232.399

■ 89, 20.706,
230.966

■ 93, 14.368,
229.864

■ 96, 7.584, 229.043

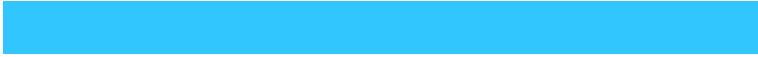
■ 99, 0.444, 229.701

100, 0.420,
109.962

Harmonies

Complementary

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



75, 42.865, 243.139



63, 79.004, 46.864

Rectangle

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



75, 42.865, 243.139



75, 42.865, 293.139



75, 42.865, 63.139



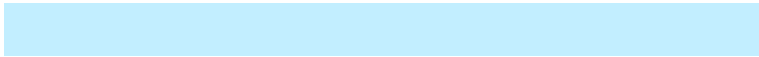
75, 42.865, 113.139

Sweetspot

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



75, 42.864, 243.139



92, 16.621, 230.206



88, 96.020, 143.385



48, 11.296, 230.599



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 42.864, 243.139



72, 46.794, 250.587



47, 91.448, 295.991



51, 4.088, 228.972



54, 37.962, 251.122



17, 16.794, 244.391

Inverse Universe

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



59, 90.093, 340.294



57, 93.590, 342.822



85, 77.306, 87.845



50, 7.481, 333.839



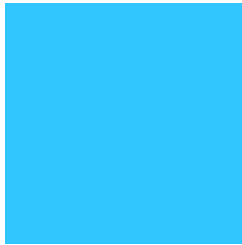
43, 75.623, 343.014



11, 35.591, 340.766

Previews

White Background



This preview shows how the CIELCh color 75, 42.865, 243.139 looks on a white background.

Color Contrast Check

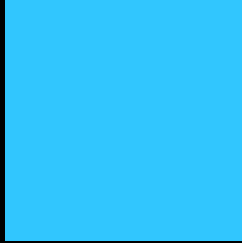
Large Text (above 18pt) WCAG AA × Fail

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 75, 42.865, 243.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

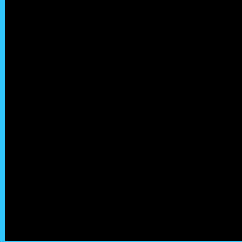
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

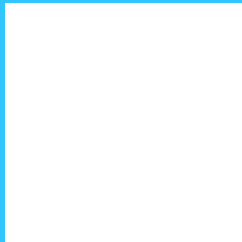
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 42.865, 243.139

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.865, 243.139.

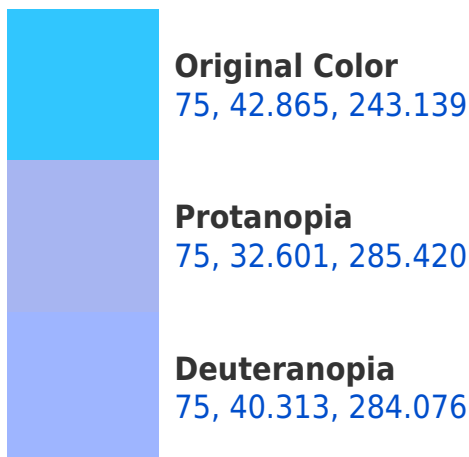


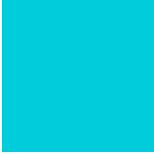
This preview shows how white text looks on a background with the CIELCh color 75, 42.865, 243.139.

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
75, 40.870, 209.022

Trichromacy



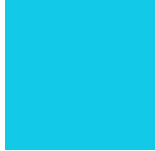
Original Color
75, 42.865, 243.139



Protanomaly
74, 35.714, 263.060

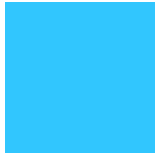


Deuteranomaly
74, 40.299, 265.767

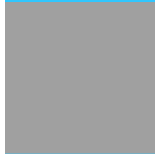


Tritanomaly
75, 40.345, 220.950

Monochromacy



Original Color
75, 42.865, 243.139



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 20.229, 231.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.865, 243.139 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(49, 198, 254)` looks like.

```
.text, #text, p{  
    color:rgb(49, 198, 254)  
}
```

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(49, 198, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 198, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.865, 243.139 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(49, 198, 254) }
```

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

```
.border{ border-color:rgb(49, 198, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 198, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 198, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 198, 254);  
box-shadow:4px 4px 4px 4px rgb(49, 198,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.865, 243.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 198, 254) }
```

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

```
.background{ background-color: rgb(49, 198,  
254) }
```

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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