

Converting Colors

CIELCh(75, 42.106, 245.344)

Have a look what the booklet for
CIELCh(75, 42.106, 245.344)
contains.

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Color

CIELCh(75, 42.075, 245.450)

Conversions

Conversions Part 1

Format	Color
Hex	3FC5FE
RGB	63, 197, 254
RGB Percent	25%, 77%, 100%
CMY	0.7514, 0.2265, 0.0030
CMYK	0.75, 0.22, 0.00, 0.00
HSL	198°, 99%, 62%
HSV	198°, 75%, 100%
XYZ	40.0209, 48.2781, 101.1802
YIQ	163.4320, -98.1610, -10.6810

Conversions

Conversions Part 2

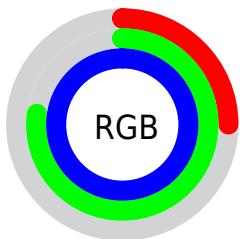
Format	Color
R _{YB}	63, 142, 254
Decimal	4179454
CIE Lab	75.00, -17.48, -38.27
CIE LCh	75, 42.075, 245.450
Yxy	48.2781, 0.2112, 0.2548
Android (android.graphics.Color)	4282369534 (0xFF3FC5FE)
YUV	163.4320, 44.6500, -88.0789
Hunter-Lab	69.4824, -18.7807, -37.7003

Details

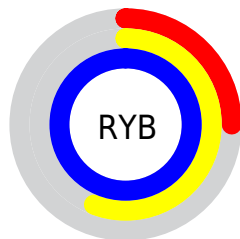
The CIELCh color **75, 42.075, 245.450** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **66, 71.927, 48.642**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 35.044, 198.118**, and **56, 38.877, 251.372** is the 20% darker color. If you saturate the color by 10%, you get **72, 45.188, 249.617**, and if you desaturate by 10%, it is **78, 38.389, 241.986**.

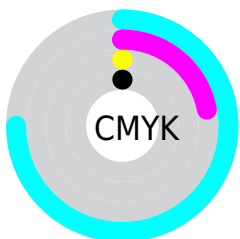
Distribution



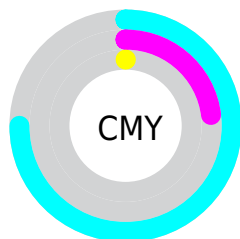
- Red (25%)
- Green (77%)
- Blue (100%)



- Red (25%)
- Yellow (56%)
- Blue (100%)



- Cyan (75%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.075, 245.450 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, 42.075, 245.450 by changing the saturation by 10% instead.


 75, 42.075,
245.450


 75, 42.075,
245.450


 100, 42.075,
245.450


 65, 42.075,
245.450


 95, 42.075,
245.450

 55, 42.075,
245.450

 45, 42.075,
245.450

 35, 42.075,
245.450

 25, 42.075,
245.450

 15, 42.075,
245.450

 5, 42.075, 245.450

0, 42.075, 245.450

75, 42.075,
245.450

75, 42.075,
245.450

72, 45.188,
249.617

78, 38.389,
241.986

70, 47.908,
254.453

81, 34.048,
239.173

69, 49.216,
256.966

84, 29.045,
236.926

87, 23.424,
235.149

91, 17.261,
233.755

94, 10.644,
232.676

■ 98, 3.660, 231.922

100, 0.371,
109.942

Harmonies

Complementary

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



75, 42.075, 245.450



66, 71.927, 48.642

Rectangle

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



75, 42.075, 245.450



75, 42.075, 295.450



75, 42.075, 65.450



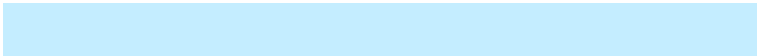
75, 42.075, 115.450

Sweetspot

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



75, 42.074, 245.450



92, 15.964, 233.508



89, 90.104, 144.946



48, 10.939, 233.948



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, 42.074, 245.450



71, 46.672, 251.932



50, 86.521, 295.067



51, 4.076, 232.202



53, 39.405, 256.008



17, 17.224, 248.994

Inverse Universe

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



61, 85.854, 340.987



58, 91.624, 343.292



87, 74.328, 89.928



50, 7.347, 334.856



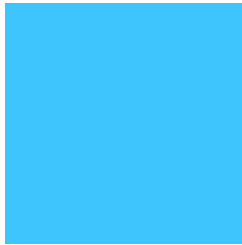
43, 74.377, 344.842



11, 35.042, 342.274

Previews

White Background



This preview shows how the CIELCh color 75, 42.075, 245.450 looks on a white background.

Color Contrast Check

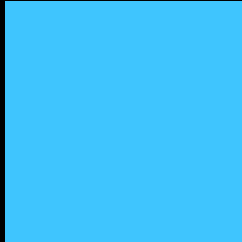
Large Text (above 18pt) WCAG AA × Fail

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, 42.075, 245.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

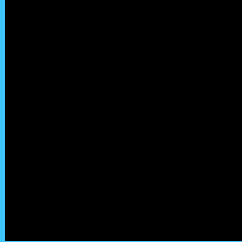
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

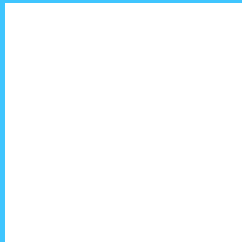
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 42.075, 245.450

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.075, 245.450.

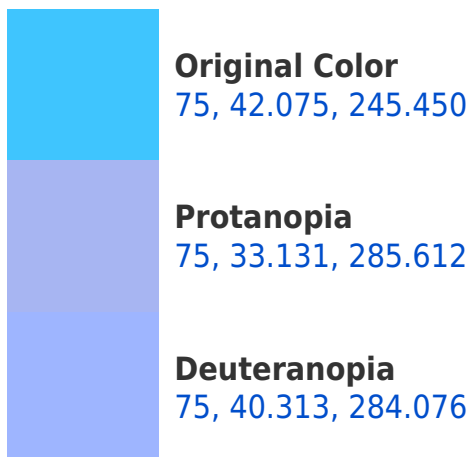


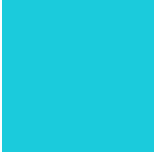
This preview shows how white text looks on a background with the CIELCh color 75, 42.075, 245.450.

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, 39.767, 210.267

Trichromacy



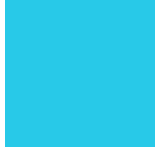
Original Color
75, 42.075, 245.450



Protanomaly
74, 35.196, 264.830



Deuteranomaly
74, 39.771, 267.554



Tritanomaly
75, 39.157, 222.719

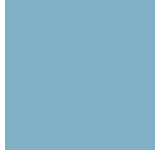
Monochromacy



Original Color
75, 42.075, 245.450



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 19.302, 235.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.075, 245.450 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(63, 197, 254)` looks like.

```
.text, #text, p{  
    color:rgb(63, 197, 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(63, 197, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 197, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.075, 245.450 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(63, 197, 254) }
```

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

```
.border{ border-color:rgb(63, 197, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 197, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 197, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 197, 254);  
box-shadow:4px 4px 4px 4px rgb(63, 197,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.075, 245.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 197, 254) }
```

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

```
.background{ background-color: rgb(63, 197,  
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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