

Converting Colors

CIELCh(75, 42.196, 238.078)

Have a look what the booklet for
CIELCh(75, 42.196, 238.078)
contains.

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Color

CIELCh(75, 42.333, 238.620)

Conversions

Conversions Part 1

Format	Color
Hex	27C7FA
RGB	39, 199, 250
RGB Percent	15%, 78%, 98%
CMY	0.8489, 0.2188, 0.0188
CMYK	0.85, 0.20, 0.00, 0.02
HSL	194°, 96%, 57%
HSV	194°, 85%, 98%
XYZ	38.5772, 48.2781, 97.9030
YIQ	156.9740, -111.7310, -18.0590

Conversions

Conversions Part 2

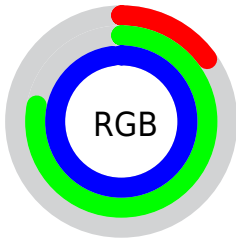
Format	Color
R _Y B	39, 130, 250
Decimal	2607098
CIE Lab	75.00, -22.04, -36.14
CIE LCh	75, 42.333, 238.620
Yxy	48.2781, 0.2088, 0.2613
Android (android.graphics.Color)	4280797178 (0xFF27C7FA)
YUV	156.9740, 45.8618, -103.4632
Hunter-Lab	69.4824, -22.4896, -34.9038

Details

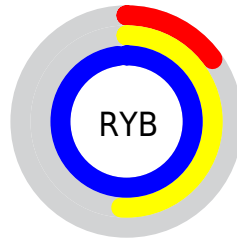
The CIELCh color **75, 42.333, 238.620** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **60, 83.616, 44.972**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.890, 197.097**, and **56, 37.079, 246.133** is the 20% darker color. If you saturate the color by 10%, you get **73, 44.066, 242.833**, and if you desaturate by 10%, it is **77, 39.988, 235.108**.

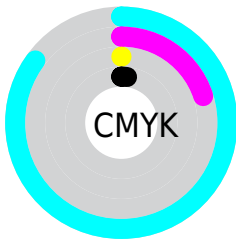
Distribution



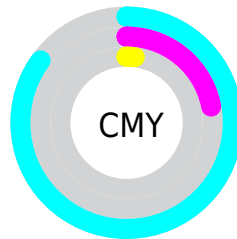
- Red (15%)
- Green (78%)
- Blue (98%)



- Red (15%)
- Yellow (51%)
- Blue (98%)



- Cyan (85%)
- Magenta (20%)
- Yellow (0%)
- Black (2%)





- Cyan (85%)
- Magenta (22%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.333, 238.620 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, 42.333, 238.620 by changing the saturation by 10% instead.


 75, 42.333,
238.620


 75, 42.333,
238.620


 100, 42.333,
238.620


 65, 42.333,
238.620


 95, 42.333,
238.620

 55, 42.333,
238.620

 45, 42.333,
238.620

 35, 42.333,
238.620

 25, 42.333,
238.620

 15, 42.333,
238.620

 5, 42.333, 238.620

0, 42.333, 238.620

75, 42.333,
238.620

75, 42.333,
238.620

73, 44.066,
242.833

77, 39.988,
235.108

72, 44.879,
245.308

79, 36.889,
232.267

82, 32.981,
230.018

85, 28.287,
228.267

87, 22.876,
226.922

90, 16.843,
225.906

■ 94, 10.292,
225.159

■ 97, 3.325, 224.717

■ 100, 1.721, 91.787

Harmonies

Complementary

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



75, 42.333, 238.620



60, 83.616, 44.972

Rectangle

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



75, 42.333, 238.620



75, 42.333, 288.620



75, 42.333, 58.620



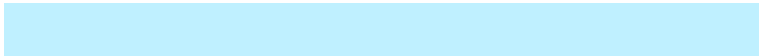
75, 42.333, 108.620

Sweetspot

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



75, 42.332, 238.620



92, 17.357, 225.943



87, 100.296, 141.643



48, 11.704, 226.272



0, 0.000, 0.000



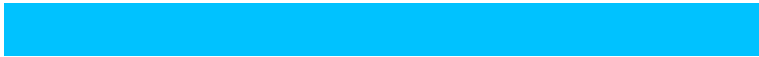
53, 0.007, 296.813

Same Dimension

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



75, 42.332, 238.620



73, 45.540, 245.359



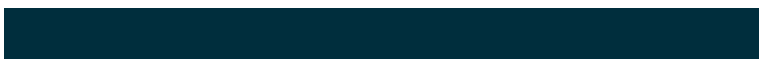
46, 90.813, 295.590



51, 4.055, 224.878



55, 36.149, 244.434



17, 15.950, 237.940

Inverse Universe

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



58, 92.467, 338.959



57, 95.738, 341.073



81, 77.406, 84.489



49, 7.530, 332.590



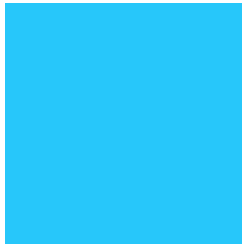
42, 76.583, 340.780



11, 35.418, 338.828

Previews

White Background



This preview shows how the CIELCh color 75, 42.333, 238.620 looks on a white background.

Color Contrast Check

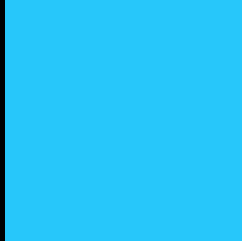
Large Text (above 18pt) WCAG AA × Fail

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, 42.333, 238.620 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

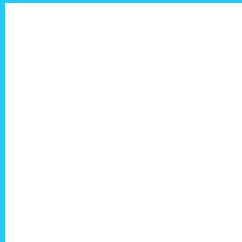
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 42.333, 238.620

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.333, 238.620.

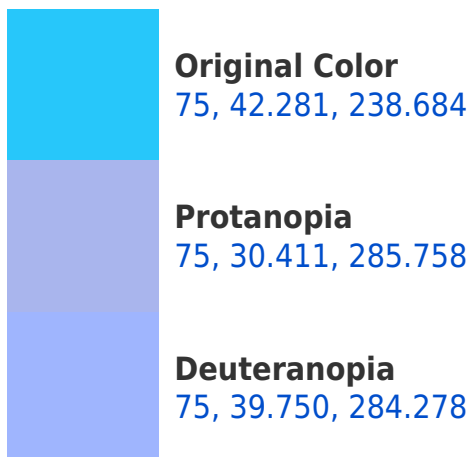


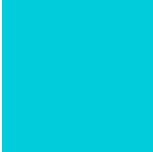
This preview shows how white text looks on a background with the CIELCh color 75, 42.333, 238.620.

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



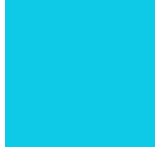
Original Color
75, 42.281, 238.684



Protanomaly
74, 33.887, 259.012



Deuteranomaly
74, 39.319, 263.078



Tritanomaly
75, 40.400, 220.046

Monochromacy



Original Color
75, 42.281, 238.684



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 20.961, 228.391

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.333, 238.620 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(39, 199, 250)` looks like.

```
.text, #text, p{  
    color:rgb(39, 199, 250)  
}
```

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(39, 199, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 199, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.333, 238.620 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(39, 199, 250) }
```

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

```
.border{ border-color:rgb(39, 199, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 199, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 199, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 199, 250);  
box-shadow:4px 4px 4px 4px rgb(39, 199,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.333, 238.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 199, 250) }
```

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

```
.background{ background-color: rgb(39, 199,  
250) }
```

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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