

# Converting Colors

CIELCh(75, 41.050, 244.957)

Have a look what the booklet for  
CIELCh(75, 41.050, 244.957)  
contains.

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# Color

**CIELCh(75, 41.000, 244.836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45C5FC
RGB	69, 197, 252
RGB Percent	27%, 77%, 99%
CMY	0.7288, 0.2271, 0.0114
CMYK	0.73, 0.22, 0.00, 0.01
HSL	198°, 97%, 63%
HSV	198°, 73%, 99%
XYZ	40.0363, 48.2781, 99.3829
YIQ	164.9980, -93.9430, -10.0310

# Conversions

## Conversions Part 2

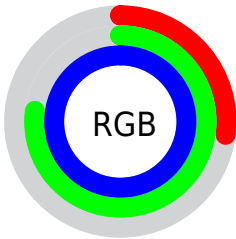
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	69, 144, 252
Decimal	4572668
CIE Lab	75.00, -17.43, -37.11
CIE LCh	75, 41.000, 244.836
Yxy	48.2781, 0.2133, 0.2572
Android (android.graphics.Color)	4282762748 (0xFF45C5FC)
YUV	164.9980, 42.8920, -84.1902
Hunter-Lab	69.4824, -18.7412, -36.1666

# Details

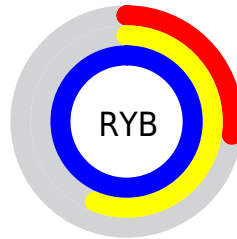
The CIELCh color **75, 41.000, 244.836** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **66, 68.564, 48.814**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 34.150, 198.193**, and **56, 38.191, 249.847** is the 20% darker color. If you saturate the color by 10%, you get **72, 44.251, 248.838**, and if you desaturate by 10%, it is **78, 37.157, 241.529**.

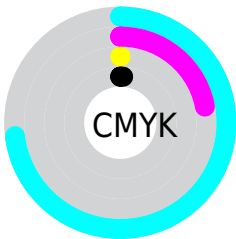
# Distribution



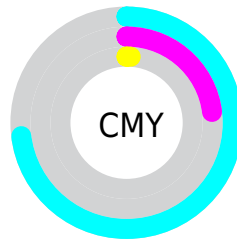
- Red (27%)
- Green (77%)
- Blue (99%)



- Red (27%)
- Yellow (56%)
- Blue (99%)



- Cyan (73%)
- Magenta (22%)
- Yellow (0%)
- Black (1%)




- Cyan (73%)
- Magenta (23%)
- Yellow (1%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 41.000, 244.836 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, 41.000, 244.836 by changing the saturation by 10% instead.





 75, 41.000,  
244.836


 75, 41.000,  
244.836


 100, 41.000,  
244.836


 65, 41.000,  
244.836


 95, 41.000,  
244.836

 55, 41.000,  
244.836

 45, 41.000,  
244.836

 35, 41.000,  
244.836

 25, 41.000,  
244.836

 15, 41.000,  
244.836

 5, 41.000, 244.836

0, 41.000, 244.836

75, 41.000,  
244.836

75, 41.000,  
244.836

72, 44.251,  
248.838

78, 37.157,  
241.529

70, 47.065,  
253.526

81, 32.662,  
238.855

68, 49.047,  
257.304

84, 27.521,  
236.722

87, 21.788,  
235.037

91, 15.542,  
233.717

94, 8.869, 232.701

98, 1.854, 232.139

100, 1.461,  
110.016

# Harmonies

# Complementary

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



75, 41.000, 244.836



66, 68.564, 48.814

# Rectangle

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



75, 41.000, 244.836



75, 41.000, 294.836



75, 41.000, 64.836



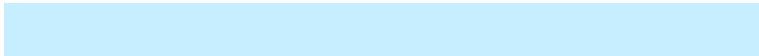
75, 41.000, 114.836

# Sweetspot

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



75, 40.999, 244.836



92, 15.312, 233.653



88, 86.097, 145.982



48, 10.213, 233.974



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, 40.999, 244.836



72, 45.950, 250.858



50, 84.644, 295.106



50, 4.009, 232.449



52, 39.116, 256.319



16, 16.765, 248.940



# Inverse Universe

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



61, 83.626, 340.761



58, 90.924, 342.899



87, 72.724, 91.494



49, 7.216, 334.934



42, 73.559, 344.965

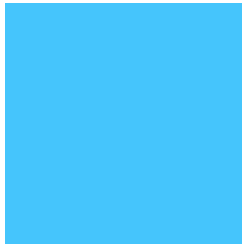


10, 34.126, 342.255



# Previews

## White Background



This preview shows how the CIELCh color 75, 41.000, 244.836 looks on a white background.

## Color Contrast Check

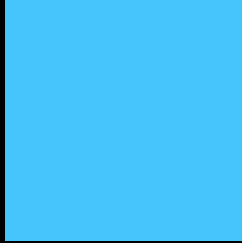
Large Text (above 18pt) WCAG AA × Fail

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, 41.000, 244.836 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

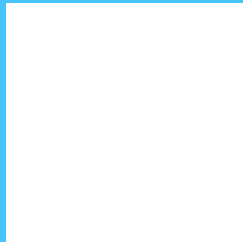
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 75, 41.000, 244.836

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 41.000, 244.836.

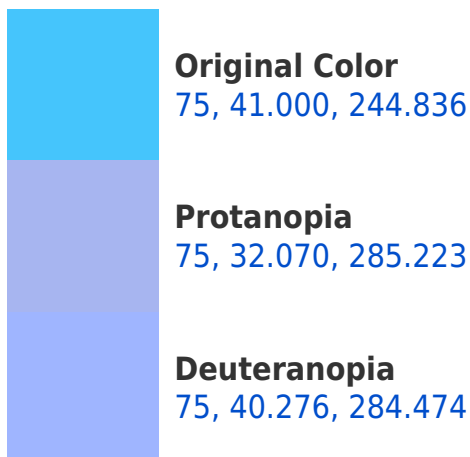


This preview shows how white text looks on a background with the CIELCh color 75, 41.000, 244.836.

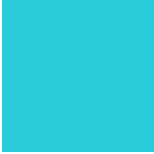
# Color Blindness Simulation

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, 38.777, 209.834

# Trichromacy



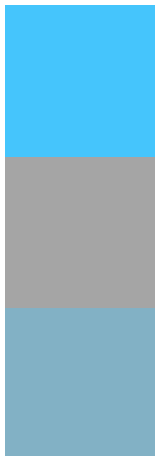
**Original Color**  
75, 41.000, 244.836

**Protanomaly**  
74, 34.087, 264.500

**Deuteranomaly**  
74, 39.135, 267.728

**Tritanomaly**  
75, 38.105, 222.607

# Monochromacy



**Original Color**  
75, 41.000, 244.836

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
70, 18.561, 234.879

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 41.000, 244.836 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(69, 197, 252)` looks like.

```
.text, #text, p{  
    color:rgb(69, 197, 252)  
}
```

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(69, 197, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 197, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 41.000, 244.836 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(69, 197, 252) }
```

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

```
.border{ border-color:rgb(69, 197, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 197, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 197, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 197, 252);  
box-shadow:4px 4px 4px 4px rgb(69, 197,  
252) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 41.000, 244.836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 197, 252) }
```

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

```
.background{ background-color: rgb(69, 197,  
252) }
```

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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