

Converting Colors

CIELCh(75, 40.919, 247.060)

Have a look what the booklet for
CIELCh(75, 40.919, 247.060)
contains.

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Color

CIELCh(75, 40.967, 247.283)

Conversions

Conversions Part 1

Format	Color
Hex	4CC4FD
RGB	76, 196, 253
RGB Percent	30%, 77%, 99%
CMY	0.7038, 0.2299, 0.0063
CMYK	0.70, 0.23, 0.00, 0.01
HSL	199°, 98%, 64%
HSV	199°, 70%, 99%
XYZ	40.5554, 48.2781, 100.4317
YIQ	166.6180, -89.8170, -7.7130

Conversions

Conversions Part 2

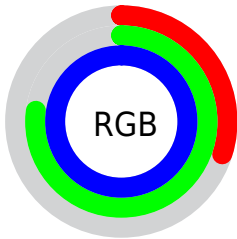
Format	Color
RYB	76, 148, 253
Decimal	5031165
CIELab	75.00, -15.82, -37.79
CIELCh	75, 40.967, 247.283
Yxy	48.2781, 0.2143, 0.2551
Android (android.graphics.Color)	4283221245 (0xFF4CC4FD)
YUV	166.6180, 42.5863, -79.4720
Hunter-Lab	69.4824, -17.4076, -37.0616

Details

The CIELCh color **75, 40.967, 247.283** 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 **68, 65.617, 50.439**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 32.683, 199.234**, and **55, 38.800, 251.631** is the 20% darker color. If you saturate the color by 10%, you get **72, 44.649, 251.263**, and if you desaturate by 10%, it is **78, 36.733, 243.985**.

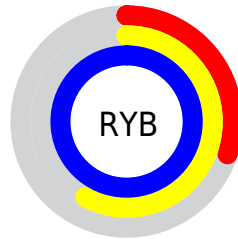
Distribution



Red (30%)

Green (77%)

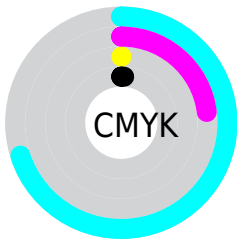
Blue (99%)



Red (30%)

Yellow (58%)

Blue (99%)

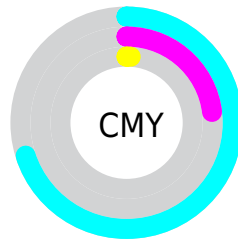


Cyan (70%)

Magenta (23%)

Yellow (0%)

Black (1%)



Cyan (70%)


Magenta (23%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 40.967, 247.283 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, 40.967, 247.283 by changing the saturation by 10% instead.


 75, 40.967,
247.283

 75, 40.967,
247.283


 100, 40.967,
247.283


 65, 40.967,
247.283


 95, 40.967,
247.283

 55, 40.967,
247.283

 45, 40.967,
247.283

 35, 40.967,
247.283

 25, 40.967,
247.283

 15, 40.967,
247.283

 5, 40.967, 247.283

0, 40.967, 247.283

75, 40.967,
247.283

75, 40.967,
247.283

72, 44.649,
251.263

78, 36.733,
243.985

69, 47.919,
255.920

81, 31.896,
241.307

67, 50.971,
260.949

85, 26.468,
239.159

88, 20.501,
237.452

92, 14.071,
236.104

96, 7.260, 235.063

99, 0.147, 238.157

100, 0.807,
110.022

Harmonies

Complementary

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



75, 40.967, 247.283



68, 65.617, 50.439

Rectangle

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



75, 40.967, 247.283



75, 40.967, 297.283



75, 40.967, 67.283



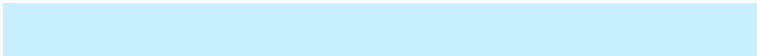
75, 40.967, 117.283

Sweetspot

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



75, 40.966, 247.283



92, 14.679, 236.201



89, 83.116, 147.004



48, 9.868, 236.549



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, 40.966, 247.283



72, 46.162, 252.971



51, 83.741, 295.199



51, 4.076, 235.003



52, 40.860, 259.991



16, 17.677, 252.821

Inverse Universe

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



62, 81.312, 341.552



58, 88.974, 343.661



88, 71.943, 92.974



50, 7.233, 335.764



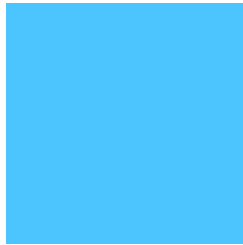
42, 73.373, 346.488



11, 34.590, 343.628

Previews

White Background



This preview shows how the CIELCh color 75, 40.967, 247.283 looks on a white background.

Color Contrast Check

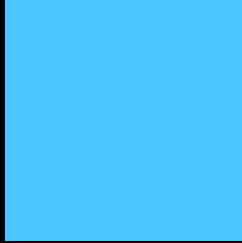
Large Text (above 18pt) WCAG AA × Fail

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, 40.967, 247.283 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

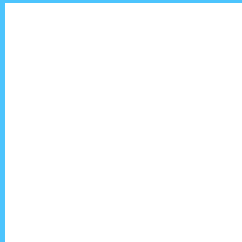
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 40.967, 247.283

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.967, 247.283.

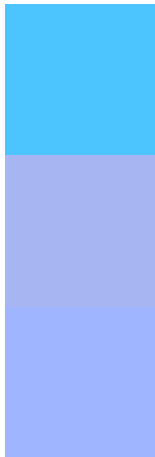


This preview shows how white text looks on a background with the CIELCh color 75, 40.967, 247.283.

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



Original Color

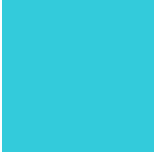
75, 40.877, 247.434

Protanopia

75, 33.131, 285.612

Deuteranopia

75, 40.276, 284.474



Tritanopia
75, 37.960, 210.171

Trichromacy



Original Color
75, 40.877, 247.434



Protanomaly
74, 34.692, 266.710



Deuteranomaly
74, 38.873, 268.701



Tritanomaly
75, 37.433, 224.091

Monochromacy



Original Color
75, 40.877, 247.434



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 17.846, 236.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.967, 247.283 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(76, 196, 253)` looks like.

```
.text, #text, p{  
    color:rgb(76, 196, 253)  
}
```

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(76, 196, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 196, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.967, 247.283 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(76, 196, 253) }
```

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

```
.border{ border-color:rgb(76, 196, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 196, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 196, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 196, 253);  
box-shadow:4px 4px 4px 4px rgb(76, 196,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.967, 247.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 196, 253) }
```

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

```
.background{ background-color: rgb(76, 196,  
253) }
```

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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