

Converting Colors

CIELCh(75, 40.500, 250.444)

Have a look what the booklet for
CIELCh(75, 40.500, 250.444)
contains.

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Color

CIELCh(75, 40.489, 250.674)

Conversions

Conversions Part 1

Format	Color
Hex	56C3FE
RGB	86, 195, 254
RGB Percent	34%, 76%, 100%
CMY	0.6617, 0.2345, 0.0031
CMYK	0.66, 0.23, 0.00, 0.00
HSL	201°, 99%, 67%
HSV	201°, 66%, 100%
XYZ	41.3430, 48.2781, 101.0808
YIQ	169.1350, -83.9030, -4.7590

Conversions

Conversions Part 2

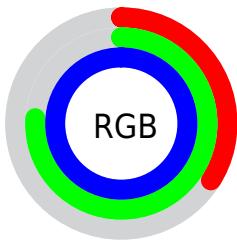
Format	Color
R_{YB}	86, 152, 254
Decimal	5686270
CIE _{Lab}	75.00, -13.40, -38.21
CIE _{LCh}	75, 40.489, 250.674
Yxy	48.2781, 0.2168, 0.2532
Android (android.graphics.Color)	4283876350 (0xFF56C3FE)
YUV	169.1350, 41.8384, -72.9094
Hunter-Lab	69.4824, -15.3843, -37.6155

Details

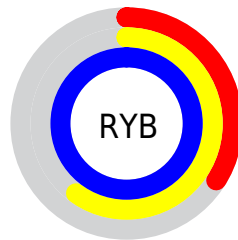
The CIELCh color **75, 40.489, 250.674** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **71, 60.531, 53.220**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 30.696, 200.446**, and **55, 39.443, 253.365** is the 20% darker color. If you saturate the color by 10%, you get **72, 44.842, 254.539**, and if you desaturate by 10%, it is **78, 35.647, 247.461**.

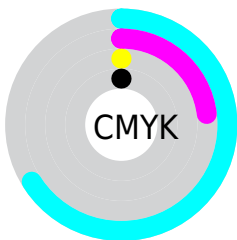
Distribution



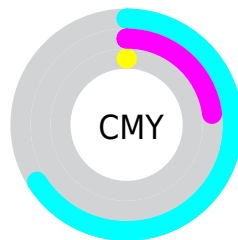
- Red (34%)
- Green (76%)
- Blue (100%)



- Red (34%)
- Yellow (60%)
- Blue (100%)



- Cyan (66%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.489, 250.674 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, 40.489, 250.674 by changing the saturation by 10% instead.


 75, 40.489,
250.674


 75, 40.489,
250.674


 100, 40.489,
250.674


 65, 40.489,
250.674


 95, 40.489,
250.674

 55, 40.489,
250.674

 45, 40.489,
250.674

 35, 40.489,
250.674

 25, 40.489,
250.674

 15, 40.489,
250.674

 5, 40.489, 250.674

■ 0, 40.489, 250.674

■ 75, 40.489,
250.674

■ 75, 40.489,
250.674

■ 72, 44.842,
254.539

■ 78, 35.647,
247.461

■ 69, 48.823,
259.060

■ 82, 30.283,
244.837

■ 66, 52.618,
264.138

■ 86, 24.415,
242.716

■ 65, 54.140,
266.167

■ 89, 18.095,
241.013

■ 93, 11.394,
239.655

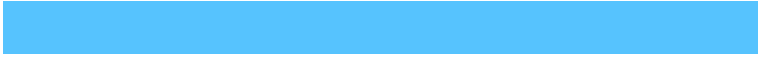
■ 97, 4.382, 238.626

100, 0.389,
109.950

Harmonies

Complementary

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



75, 40.489, 250.674



71, 60.531, 53.220

Rectangle

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



75, 40.489, 250.674



75, 40.489, 300.674



75, 40.489, 70.674



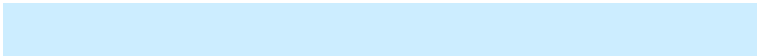
75, 40.489, 120.674

Sweetspot

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



75, 40.488, 250.674



92, 14.106, 240.152



89, 77.221, 148.990



48, 9.566, 240.537



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, 40.488, 250.674



71, 46.155, 255.804



53, 81.936, 295.555



51, 4.092, 238.935



50, 43.209, 265.200



15, 18.436, 257.933

Inverse Universe

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



63, 76.901, 342.712



59, 85.413, 344.744



91, 70.331, 95.692



50, 7.076, 337.094



42, 72.080, 348.911



11, 33.993, 345.618

Previews

White Background



This preview shows how the CIELCh color 75, 40.489, 250.674 looks on a white background.

Color Contrast Check

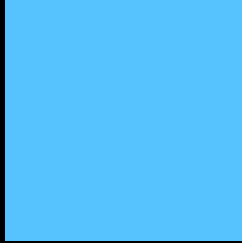
Large Text (above 18pt) WCAG AA × Fail

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, 40.489, 250.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

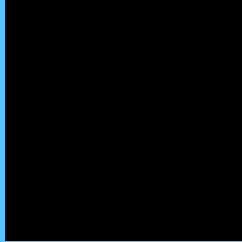
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

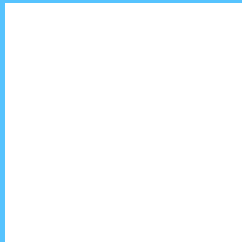
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 40.489, 250.674

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.489, 250.674.

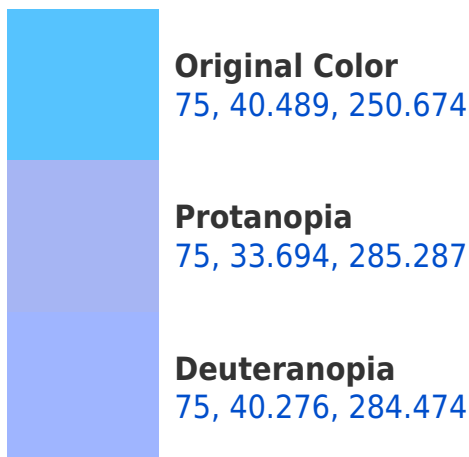


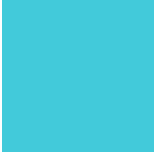
This preview shows how white text looks on a background with the CIELCh color 75, 40.489, 250.674.

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, 36.053, 211.014

Trichromacy



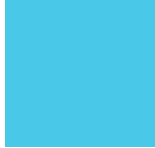
Original Color
75, 40.489, 250.674



Protanomaly
74, 35.274, 269.283



Deuteranomaly
74, 39.434, 271.262



Tritanomaly
75, 35.776, 225.562

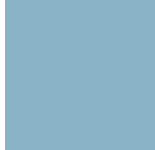
Monochromacy



Original Color
75, 40.489, 250.674



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 17.214, 240.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.489, 250.674 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(86, 195, 254)` looks like.

```
.text, #text, p{  
    color:rgb(86, 195, 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(86, 195, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 195, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.489, 250.674 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(86, 195, 254) }
```

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

```
.border{ border-color:rgb(86, 195, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 195, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 195, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 195, 254);  
box-shadow:4px 4px 4px 4px rgb(86, 195,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.489, 250.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 195, 254) }
```

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

```
.background{ background-color: rgb(86, 195,  
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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