

Converting Colors

CIELCh(77, 56.583, 278.590)

Have a look what the booklet for
CIELCh(77, 56.583, 278.590)
contains.

CIELCh(75, 37.952, 265.125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(75, 37.952, 265.125)

Conversions

Conversions Part 1

Format	Color
Hex	7EBEFE
RGB	126, 190, 254
RGB Percent	49%, 75%, 100%
CMY	0.5071, 0.2558, 0.0051
CMYK	0.50, 0.25, 0.00, 0.01
HSL	210°, 98%, 74%
HSV	210°, 50%, 99%
XYZ	44.7642, 48.2781, 100.4716
YIQ	178.1600, -58.6880, 6.3360

Conversions

Conversions Part 2

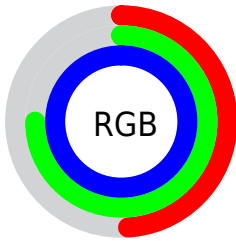
Format	Color
RYB	126, 169, 254
Decimal	8306430
CIELab	75.00, -3.23, -37.81
CIElCh	75, 37.952, 265.125
Yxy	48.2781, 0.2313, 0.2495
Android (android.graphics.Color)	4286496510 (0xFF7EBEFE)
YUV	178.1600, 37.3891, -45.7443
Hunter-Lab	69.4824, -6.5952, -37.0956

Details

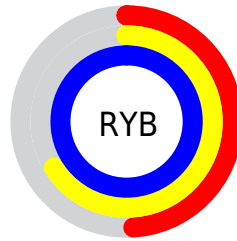
The CIELCh color `75, 37.952, 265.125` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `81, 44.047, 68.965`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `93, 20.021, 211.735`, and `55, 37.911, 264.996` is the 20% darker color. If you saturate the color by 10%, you get `70, 45.064, 268.277`, and if you desaturate by 10%, it is `80, 30.697, 262.455`.

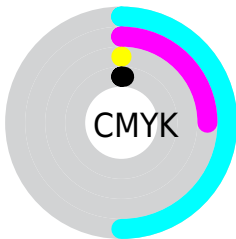
Distribution



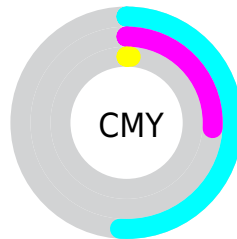
- Red (49%)
- Green (75%)
- Blue (100%)



- Red (49%)
- Yellow (66%)
- Blue (100%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)





- Cyan (51%)
- Magenta (26%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 37.952, 265.125 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, 37.952, 265.125 by changing the saturation by 10% instead.


 75, 37.952,
265.125


 75, 37.952,
265.125


 100, 37.952,
265.125


 65, 37.952,
265.125


 95, 37.952,
265.125

 55, 37.952,
265.125

 45, 37.952,
265.125

 35, 37.952,
265.125

 25, 37.952,
265.125

 15, 37.952,
265.125

 5, 37.952, 265.125

0, 37.952, 265.125

75, 37.952,
265.125

75, 37.952,
265.125

70, 45.064,
268.277

80, 30.697,
262.455

66, 52.083,
271.938

85, 23.292,
260.215

62, 59.100,
276.078

89, 15.749,
258.342

58, 66.233,
280.580

94, 8.095, 256.789

54, 73.264,
284.954

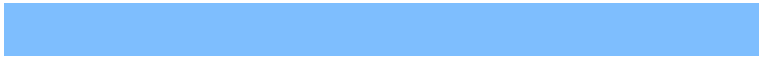
99, 0.362, 256.620

100, 0.649,
110.010

Harmonies

Complementary

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



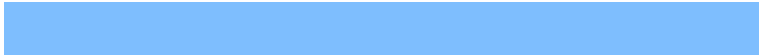
75, 37.952, 265.125



81, 44.047, 68.965

Rectangle

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



75, 37.952, 265.125



75, 37.952, 315.125



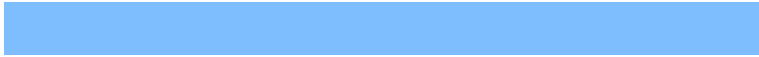
75, 37.952, 85.125



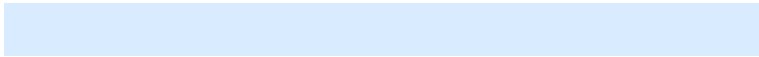
75, 37.952, 135.125

Sweetspot

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



75, 37.951, 265.125



93, 11.634, 257.457



91, 54.473, 157.393



48, 7.928, 257.789



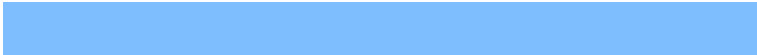
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 37.951, 265.125



71, 45.636, 268.469



59, 71.004, 297.093



51, 4.423, 256.658



41, 58.236, 284.126



12, 23.706, 277.565

Inverse Universe

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



69, 56.717, 349.131



65, 67.110, 350.944



97, 61.810, 104.595



50, 6.385, 344.374



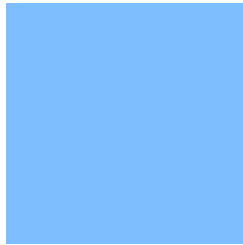
41, 68.254, 2.053



10, 31.875, 356.463

Previews

White Background



This preview shows how the CIELCh color 75, 37.952, 265.125 looks on a white background.

Color Contrast Check

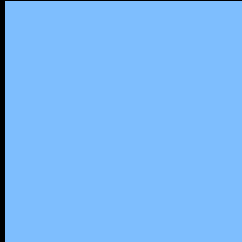
Large Text (above 18pt) WCAG AA × Fail

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, 37.952, 265.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

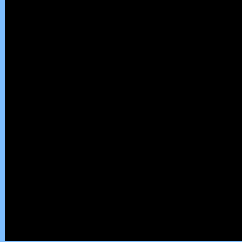
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

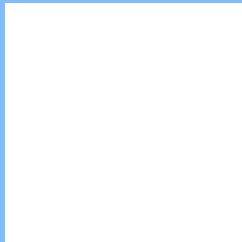
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 37.952, 265.125

Background



This preview shows how black text looks on a background with the CIELCh color 75, 37.952, 265.125.

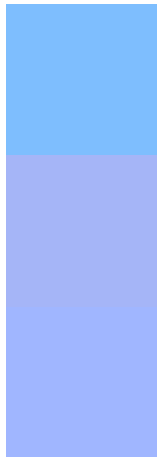


This preview shows how white text looks on a background with the CIELCh color 75, 37.952, 265.125.

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, 37.974, 265.179

Protanopia
75, 35.846, 285.555

Deuteranopia
75, 39.712, 284.249



Tritanopia
75, 26.815, 216.625

Trichromacy



Original Color
75, 37.974, 265.179

Protanomaly
75, 36.056, 277.528

Deuteranomaly
75, 38.812, 277.444

Tritanomaly
75, 28.421, 238.757

Monochromacy



Original Color
75, 37.974, 265.179

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 14.973, 259.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 37.952, 265.125 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(126, 190, 254)` looks like.

```
.text, #text, p{  
    color:rgb(126, 190, 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(126, 190, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 190, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 37.952, 265.125 is called "border". The border property can be set on classes, ids or directly on the HTML element.

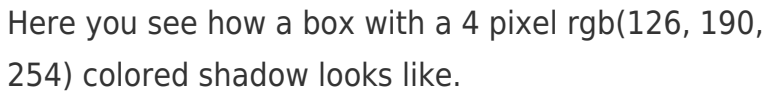
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 190, 254) }
```

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

```
.border{ border-color:rgb(126, 190, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 190, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 190, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 190, 254); box-shadow:4px 4px 4px 4px rgb(126, 190, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 37.952, 265.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 190, 254) }
```

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

```
.background{ background-color: rgb(126,  
190, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor