

Converting Colors

CIELCh(75, 37.785, 265.072)

Have a look what the booklet for
CIELCh(75, 37.785, 265.072)
contains.

CIELCh(75, 37.526, 264.678)	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, 37.526, 264.678)

Conversions

Conversions Part 1

Format	Color
Hex	7EBEFD
RGB	126, 190, 253
RGB Percent	49%, 75%, 99%
CMY	0.5064, 0.2554, 0.0084
CMYK	0.50, 0.25, 0.00, 0.01
HSL	210°, 97%, 74%
HSV	210°, 50%, 99%
XYZ	44.6761, 48.2781, 99.7759
YIQ	178.0460, -58.3670, 6.0250

Conversions

Conversions Part 2

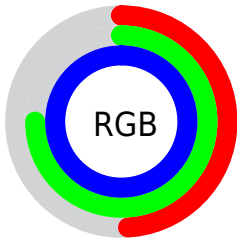
Format	Color
R _Y B	126, 169, 253
Decimal	8306429
CIE Lab	75.00, -3.48, -37.36
CIE LCh	75, 37.526, 264.678
Yxy	48.2781, 0.2318, 0.2505
Android (android.graphics.Color)	4286496509 (0xFF7EBEFD)
YUV	178.0460, 36.9523, -45.6443
Hunter-Lab	69.4824, -6.8216, -36.5019

Details

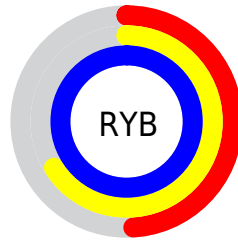
The CIELCh color **75, 37.526, 264.678** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **81, 43.666, 68.663**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 20.304, 211.527**, and **55, 37.451, 264.408** is the 20% darker color. If you saturate the color by 10%, you get **70, 44.569, 267.819**, and if you desaturate by 10%, it is **80, 30.331, 262.020**.

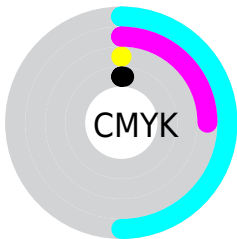
Distribution



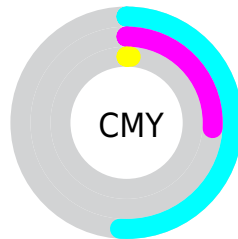
- Red (49%)
- Green (75%)
- Blue (99%)



- Red (49%)
- Yellow (66%)
- Blue (99%)



- 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, 37.526, 264.678 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, 37.526, 264.678 by changing the saturation by 10% instead.


 75, 37.526,
264.678


 75, 37.526,
264.678


 100, 37.526,
264.678


 65, 37.526,
264.678


 95, 37.526,
264.678

 55, 37.526,
264.678

 45, 37.526,
264.678

 35, 37.526,
264.678

 25, 37.526,
264.678

 15, 37.526,
264.678

 5, 37.526, 264.678

0, 37.526, 264.678

75, 37.526,
264.678

75, 37.526,
264.678

70, 44.569,
267.819

80, 30.331,
262.020

66, 51.510,
271.472

84, 22.979,
259.791

62, 58.437,
275.609

89, 15.484,
257.930

58, 65.470,
280.118

94, 7.874, 256.388

54, 72.571,
284.617

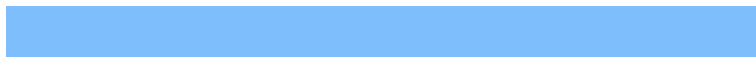
99, 0.181, 257.456

100, 1.073,
110.026

Harmonies

Complementary

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



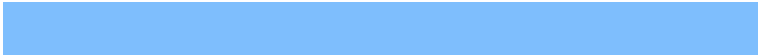
75, 37.526, 264.678



81, 43.666, 68.663

Rectangle

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



75, 37.526, 264.678



75, 37.526, 314.678



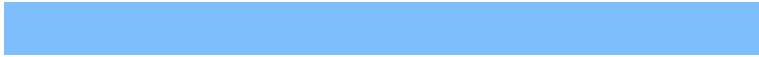
75, 37.526, 84.678



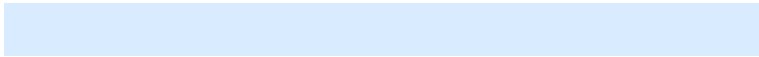
75, 37.526, 134.678

Sweetspot

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



75, 37.525, 264.678



93, 11.601, 257.087



91, 54.103, 157.428



48, 7.905, 257.418



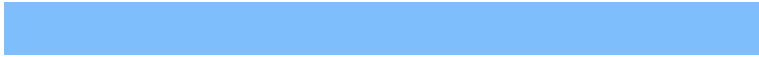
0, 0.000, 0.000



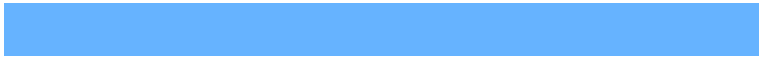
53, 0.007, 296.813

Same Dimension

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



75, 37.525, 264.678



71, 44.717, 267.753



59, 70.454, 297.042



51, 4.411, 256.290



42, 57.844, 283.793



12, 23.562, 277.206

Inverse Universe

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



69, 56.426, 348.886



65, 66.323, 350.536



96, 61.387, 104.617



50, 6.400, 344.191



41, 68.291, 1.733



10, 31.907, 356.196

Previews

White Background



This preview shows how the CIE LCh color 75, 37.526, 264.678 looks on a white background.

Color Contrast Check

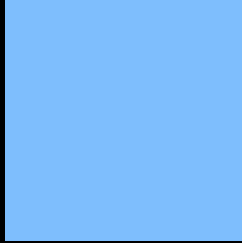
Large Text (above 18pt) WCAG AA × Fail

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, 37.526, 264.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

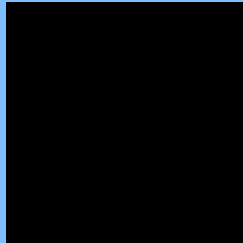
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

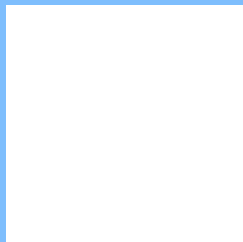
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 37.526, 264.678

Background



This preview shows how black text looks on a background with the CIELCh color 75, 37.526, 264.678.

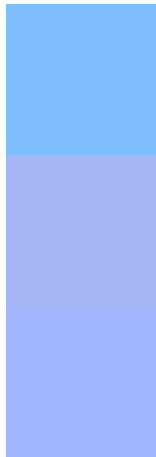


This preview shows how white text looks on a background with the CIELCh color 75, 37.526, 264.678.

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

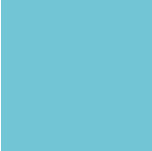
75, 37.526, 264.678

Protanopia

75, 35.317, 285.368

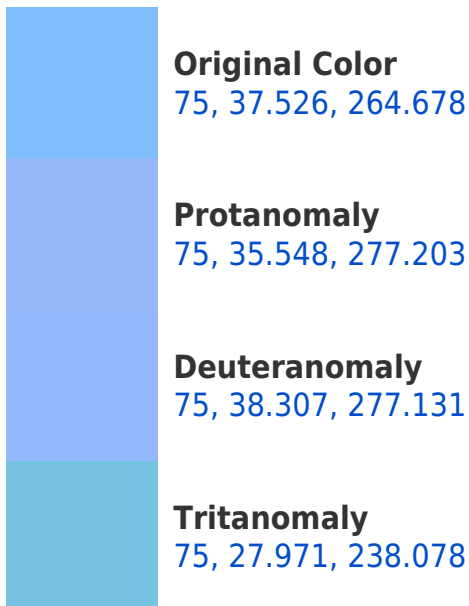
Deuteranopia

75, 39.676, 284.656

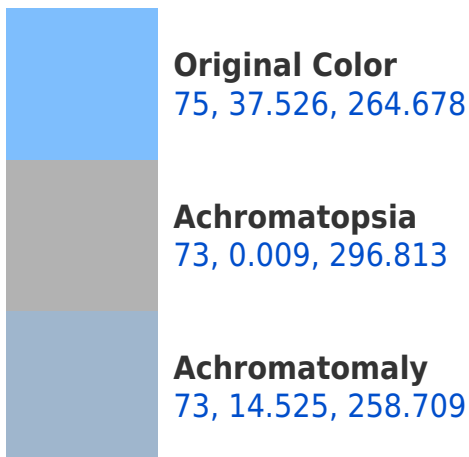


Tritanopia
75, 26.592, 216.805

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 37.526, 264.678 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(126, 190, 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(126, 190, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 190, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 37.526, 264.678 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, 253) }
```

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

```
.border{ border-color:rgb(126, 190, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 190, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 190, 253);  
box-shadow:4px 4px 4px 4px rgb(126, 190,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 37.526, 264.678 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, 253) }
```

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

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

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