

Converting Colors

CIELCh(77, 51.764, 276.366)

Have a look what the booklet for
CIELCh(77, 51.764, 276.366)
contains.

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Color

CIELCh(76, 37.385, 264.900)

Conversions

Conversions Part 1

Format	Color
Hex	82C1FF
RGB	130, 193, 255
RGB Percent	51%, 76%, 100%
CMY	0.4920, 0.2451, 0.0000
CMYK	0.49, 0.25, 0.00, 0.00
HSL	210°, 100%, 75%
HSV	210°, 49%, 100%
XYZ	46.2342, 49.8872, 102.2567
YIQ	181.2310, -57.4500, 5.9260

Conversions

Conversions Part 2

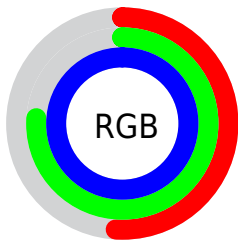
Format	Color
RYB	130, 172, 255
Decimal	8569343
CIELab	76.00, -3.32, -37.24
CIELCh	76, 37.385, 264.900
Yxy	49.8872, 0.2331, 0.2515
Android (android.graphics.Color)	4286759423 (0xFF82C1FF)
YUV	181.2310, 36.3681, -44.9296
Hunter-Lab	70.6309, -6.7600, -36.3962

Details

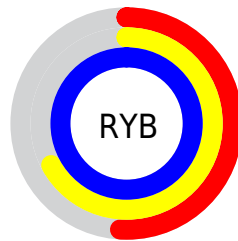
The CIELCh color **76, 37.385, 264.900** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **82, 42.995, 69.002**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 19.871, 207.220**, and **56, 36.794, 263.976** is the 20% darker color. If you saturate the color by 10%, you get **71, 44.281, 267.718**, and if you desaturate by 10%, it is **81, 29.856, 262.013**.

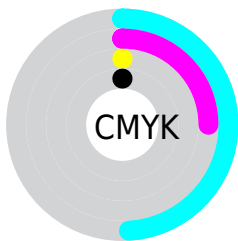
Distribution



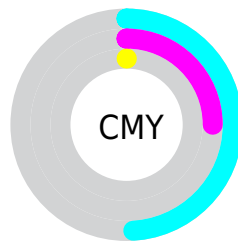
- Red (51%)
- Green (76%)
- Blue (100%)



- Red (51%)
- Yellow (67%)
- Blue (100%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (25%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 37.385, 264.900 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 76, 37.385, 264.900 by changing the saturation by 10% instead.

 76, 37.385,
264.900

 76, 37.385,
264.900


 100, 37.385,
264.900


 66, 37.385,
264.900


 96, 37.385,
264.900

 56, 37.385,
264.900

 46, 37.385,
264.900

 36, 37.385,
264.900

 26, 37.385,
264.900

 16, 37.385,
264.900

 6, 37.385, 264.900

■ 0, 37.385, 264.900

■ 76, 37.385,
264.900

■ 76, 37.385,
264.900

■ 71, 44.281,
267.718

■ 81, 29.856,
262.013

■ 67, 51.314,
271.319

■ 86, 22.415,
259.822

■ 63, 58.328,
275.408

■ 90, 14.836,
257.992

■ 59, 65.441,
279.881

■ 95, 7.149, 256.479

■ 55, 72.777,
284.493

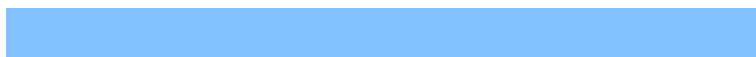
100, 0.012,
296.813

■ 55, 73.381,
284.845

Harmonies

Complementary

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



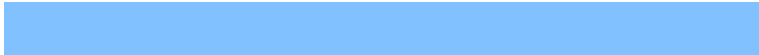
76, 37.385, 264.900



82, 42.995, 69.002

Rectangle

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



76, 37.385, 264.900



76, 37.385, 314.900



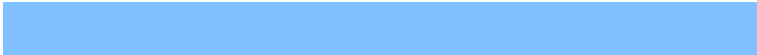
76, 37.385, 84.900



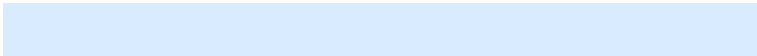
76, 37.385, 134.900

Sweetspot

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



76, 37.142, 264.626



93, 11.621, 257.319



92, 53.464, 157.570



48, 7.919, 257.650



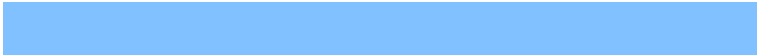
0, 0.000, 0.000



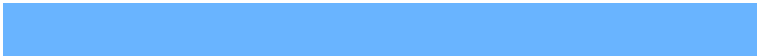
53, 0.007, 296.813

Same Dimension

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



76, 37.142, 264.626



71, 44.141, 267.652



60, 69.345, 296.832



51, 4.418, 256.521



41, 58.089, 284.001



12, 23.652, 277.431

Inverse Universe

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



70, 55.681, 348.863



65, 65.349, 350.489



97, 60.650, 104.707



50, 6.391, 344.305



41, 68.267, 1.933



10, 31.887, 356.363

Previews

White Background



This preview shows how the CIELCh color 76, 37.385, 264.900 looks on a white background.

Color Contrast Check

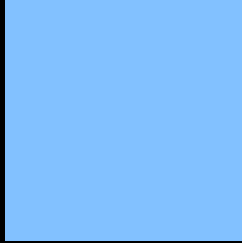
Large Text (above 18pt) WCAG AA × Fail

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 76, 37.385, 264.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

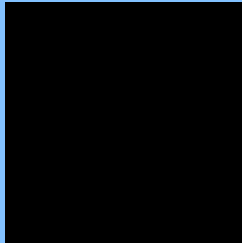
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

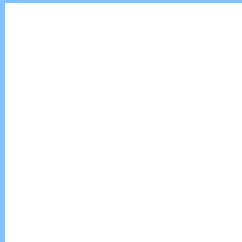
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 37.385, 264.900

Background



This preview shows how black text looks on a background with the CIELCh color 76, 37.385, 264.900.

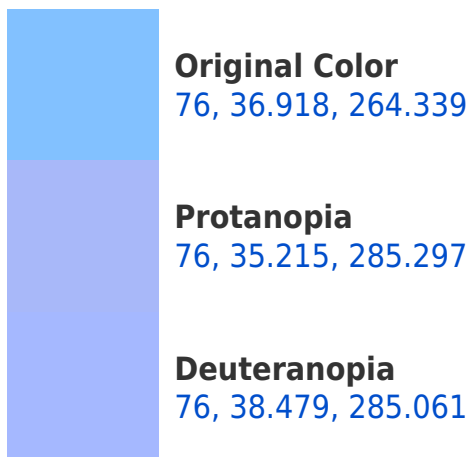


This preview shows how white text looks on a background with the CIELCh color 76, 37.385, 264.900.

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
76, 26.379, 216.936

Trichromacy



Original Color
76, 36.918, 264.339

Protanomaly
76, 35.455, 277.103

Deuteranomaly
76, 37.609, 277.541

Tritanomaly
76, 27.782, 238.278

Monochromacy



Original Color
76, 36.918, 264.339

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 14.488, 258.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 37.385, 264.900 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(130, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 193, 255)  
}
```

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(130, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 193, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 37.385, 264.900 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(130, 193, 255) }
```

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

```
.border{ border-color:rgb(130, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 193,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 37.385, 264.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 193, 255) }
```

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

```
.background{ background-color: rgb(130,  
193, 255) }
```

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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