

Converting Colors

CIELCh(77, 42.789, 284.725)

Have a look what the booklet for
CIELCh(77, 42.789, 284.725)
contains.

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Color

CIELCh(76, 36.960, 282.620)

Conversions

Conversions Part 1

Format	Color
Hex	A3BAFE
RGB	163, 186, 254
RGB Percent	64%, 73%, 100%
CMY	0.3620, 0.2717, 0.0053
CMYK	0.36, 0.27, 0.00, 0.01
HSL	225°, 97%, 82%
HSV	225°, 36%, 99%
XYZ	50.3724, 49.8872, 100.4352
YIQ	186.8750, -35.5360, 16.2720

Conversions

Conversions Part 2

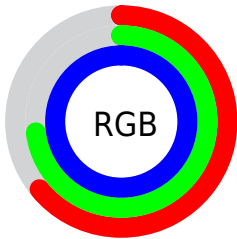
Format	Color
R_{YB}	163, 181, 254
Decimal	10730238
CIE Lab	76.00, 8.08, -36.07
CIE LCh	76, 36.960, 282.620
Yxy	49.8872, 0.2510, 0.2486
Android (android.graphics.Color)	4288920318 (0xFFA3BAFE)
YUV	186.8750, 33.0926, -20.9384
Hunter-Lab	70.6309, 3.6982, -34.8671

Details

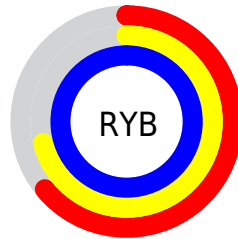
The CIELCh color **76, 36.960, 282.620** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92, 35.997, 92.546**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 9.858, 241.955**, and **56, 37.019, 282.730** is the 20% darker color. If you saturate the color by 10%, you get **69, 47.929, 284.824**, and if you desaturate by 10%, it is **83, 26.303, 280.732**.

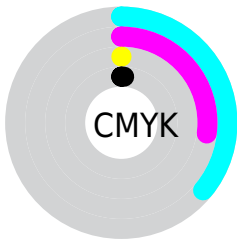
Distribution



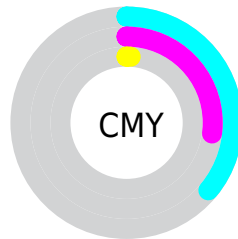
- Red (64%)
- Green (73%)
- Blue (100%)



- Red (64%)
- Yellow (71%)
- Blue (100%)



- Cyan (36%)
- Magenta (27%)
- Yellow (0%)
- Black (1%)





- Cyan (36%)
- Magenta (27%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 36.960, 282.620 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, 36.960, 282.620 by changing the saturation by 10% instead.


 76, 36.960,
282.620


 76, 36.960,
282.620


 100, 36.960,
282.620


 66, 36.960,
282.620


 96, 36.960,
282.620

 56, 36.960,
282.620

 46, 36.960,
282.620

 36, 36.960,
282.620

 26, 36.960,
282.620

 16, 36.960,
282.620

 6, 36.960, 282.620

■ 0, 36.960, 282.620

■ 76, 36.960,
282.620

■ 76, 36.960,
282.620

■ 69, 47.929,
284.824

■ 83, 26.303,
280.732

■ 63, 59.250,
287.373

■ 89, 15.930,
279.122

■ 57, 70.948,
290.259

■ 96, 5.818, 277.766

■ 51, 82.980,
293.421

100, 0.680,
110.013

■ 46, 95.135,
296.708

■ 41, 106.876,
299.879

■ 39,111.438,
301.057

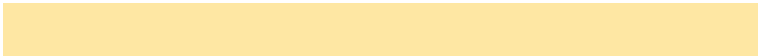
Harmonies

Complementary

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



76, 36.960, 282.620



92, 35.997, 92.546

Rectangle

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



76, 36.960, 282.620



76, 36.960, 332.620



76, 36.960, 102.620



76, 36.960, 152.620

Sweetspot

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



76, 36.959, 282.620



93, 11.036, 278.432



93, 32.540, 174.684



49, 7.427, 278.619



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, 36.959, 282.620



72, 44.957, 284.163



72, 50.166, 302.208



50, 5.695, 278.230



29, 88.673, 300.546



7, 35.513, 295.755

Inverse Universe

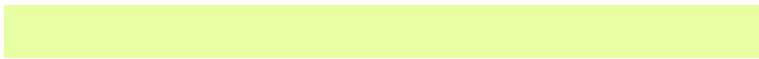
The Inverse Universe completely reimagines the original color for something new.



76, 36.650, 3.589



73, 44.488, 4.850



96, 46.261, 116.937



50, 5.544, 0.134



40, 72.485, 25.349



10, 31.682, 15.794

Previews

White Background



This preview shows how the CIELCh color 76, 36.960, 282.620 looks on a white background.

Color Contrast Check

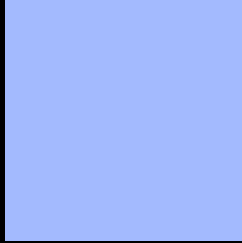
Large Text (above 18pt) WCAG AA × Fail

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, 36.960, 282.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

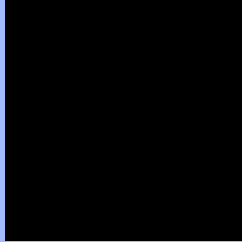
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 36.960, 282.620

Background



This preview shows how black text looks on a background with the CIELCh color 76, 36.960, 282.620.



This preview shows how white text looks on a background with the CIELCh color 76, 36.960, 282.620.

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

76, 36.994, 282.647

Protanopia

76, 36.830, 284.909

Deuteranopia

76, 37.886, 285.748



Tritanopia
76, 16.174, 230.908

Trichromacy



Original Color
76, 36.994, 282.647

Protanomaly
76, 36.904, 284.007

Deuteranomaly
76, 37.428, 284.212

Tritanomaly
76, 21.577, 260.351

Monochromacy



Original Color
76, 36.994, 282.647

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 13.227, 277.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 36.960, 282.620 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(163, 186, 254)` looks like.

```
.text, #text, p{  
    color:rgb(163, 186, 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(163, 186, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 186, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 36.960, 282.620 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(163, 186, 254) }
```

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

```
.border{ border-color:rgb(163, 186, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 186, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 186, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 186, 254);  
box-shadow:4px 4px 4px 4px rgb(163, 186,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 36.960, 282.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 186, 254) }
```

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

```
.background{ background-color: rgb(163,  
186, 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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