

Converting Colors

CIELCh(76, 26.946, 241.729)

Have a look what the booklet for
CIELCh(76, 26.946, 241.729)
contains.

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Color

CIELCh(76, 26.788, 241.797)

Conversions

Conversions Part 1

Format	Color
Hex	80C4E6
RGB	128, 196, 230
RGB Percent	50%, 77%, 90%
CMY	0.4973, 0.2307, 0.0973
CMYK	0.44, 0.15, 0.00, 0.10
HSL	200°, 67%, 70%
HSV	200°, 44%, 90%
XYZ	43.0185, 49.8872, 82.3603
YIQ	179.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

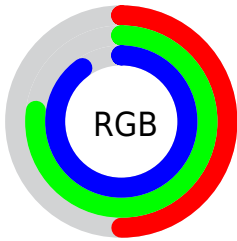
Format	Color
R _Y B	128, 169, 230
Decimal	8439014
CIE Lab	76.00, -12.66, -23.61
CIE LCh	76, 26.788, 241.797
Yxy	49.8872, 0.2454, 0.2846
Android (android.graphics.Color)	4286629094 (0xFF80C4E6)
YUV	179.5440, 24.8748, -45.2041
Hunter-Lab	70.6309, -14.8869, -19.6945

Details

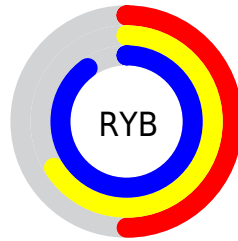
The CIELCh color **76, 26.788, 241.797** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **72, 34.905, 52.605**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 21.900, 200.779**, and **56, 26.729, 241.758** is the 20% darker color. If you saturate the color by 10%, you get **73, 31.693, 244.201**, and if you desaturate by 10%, it is **79, 21.389, 239.865**.

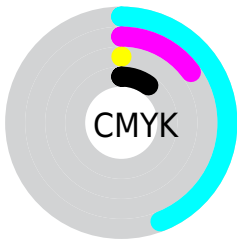
Distribution



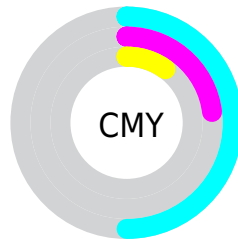
- Red (50%)
- Green (77%)
- Blue (90%)



- Red (50%)
- Yellow (66%)
- Blue (90%)



- Cyan (44%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 26.788, 241.797 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, 26.788, 241.797 by changing the saturation by 10% instead.

■ 76, 26.788,
241.797

■ 76, 26.788,
241.797

■ 100, 26.788,
241.797

■ 66, 26.788,
241.797

■ 96, 26.788,
241.797

■ 56, 26.788,
241.797

■ 46, 26.788,
241.797

■ 36, 26.788,
241.797

■ 26, 26.788,
241.797

■ 16, 26.788,
241.797

■ 6, 26.788, 241.797

0, 26.788, 241.797

76, 26.788,
241.797

76, 26.788,
241.797

73, 31.693,
244.201

79, 21.389,
239.865

70, 36.075,
247.170

83, 15.558,
238.326

67, 39.947,
250.780

86, 9.364, 237.111

64, 43.392,
255.063

90, 2.876, 236.251

62, 46.565,
259.966

93, 3.840, 55.127

60, 48.367,
262.874

96, 7.678, 72.557

98, 10.169, 98.927

99, 12.559,
109.228

Harmonies

Complementary

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



76, 26.788, 241.797



72, 34.905, 52.605

Rectangle

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



76, 26.788, 241.797



76, 26.788, 291.797



76, 26.788, 61.797



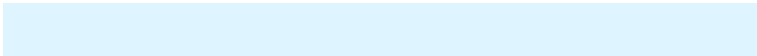
76, 26.788, 111.797

Sweetspot

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



76, 26.787, 241.795



95, 9.265, 236.982



84, 50.552, 151.548



50, 6.454, 237.217



0, 0.000, 0.000



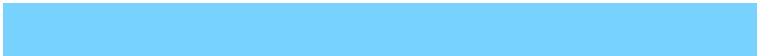
53, 0.007, 296.813

Same Dimension

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



76, 26.787, 241.795



80, 33.732, 243.933



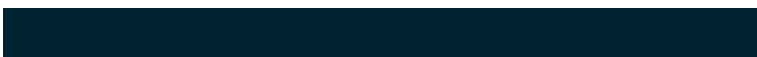
62, 47.683, 289.287



46, 3.743, 236.632



48, 39.590, 261.937



12, 15.287, 252.550

Inverse Universe

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



67, 51.298, 339.243



69, 65.500, 340.162



85, 44.344, 97.226



45, 6.573, 336.302



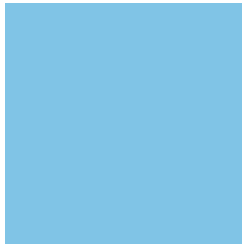
39, 69.241, 347.354



7, 29.930, 343.542

Previews

White Background



This preview shows how the CIELCh color 76, 26.788, 241.797 looks on a white background.

Color Contrast Check

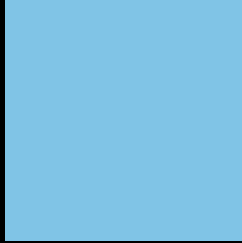
Large Text (above 18pt) WCAG AA × Fail

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, 26.788, 241.797 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, 26.788, 241.797

Background



This preview shows how black text looks on a background with the CIELCh color 76, 26.788, 241.797.

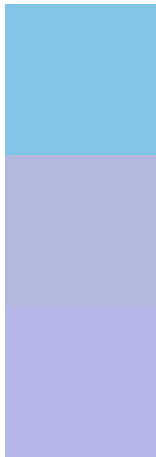


This preview shows how white text looks on a background with the CIELCh color 76, 26.788, 241.797.

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, 26.788, 241.797

Protanopia

76, 20.003, 286.215

Deuteranopia

76, 26.967, 291.254



Tritanopia
76, 24.510, 218.597

Trichromacy



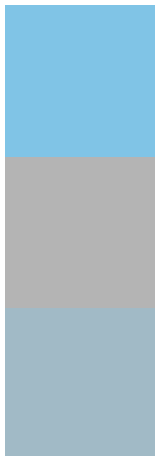
Original Color
76, 26.788, 241.797

Protanomaly
76, 21.130, 266.370

Deuteranomaly
76, 24.833, 272.744

Tritanomaly
76, 24.857, 228.148

Monochromacy



Original Color
76, 26.788, 241.797

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 10.708, 236.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 26.788, 241.797 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(128, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(128, 196, 230)  
}
```

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(128, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 196, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 26.788, 241.797 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(128, 196, 230) }
```

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

```
.border{ border-color:rgb(128, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(128, 196,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 26.788, 241.797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 196, 230) }
```

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

```
.background{ background-color: rgb(128,  
196, 230) }
```

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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