

Converting Colors

CIELCh(77, 27.749, 227.204)

Have a look what the booklet for
CIELCh(77, 27.749, 227.204)
contains.

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Color

CIELCh(77, 27.766, 227.032)

Conversions

Conversions Part 1

Format	Color
Hex	76CAE3
RGB	118, 202, 227
RGB Percent	46%, 79%, 89%
CMY	0.5380, 0.2085, 0.1105
CMYK	0.48, 0.11, 0.00, 0.11
HSL	194°, 66%, 68%
HSV	194°, 48%, 89%
XYZ	42.3647, 51.5317, 80.2549
YIQ	179.7340, -58.0890, -10.0330

Conversions

Conversions Part 2

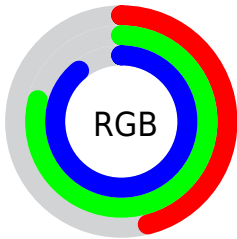
Format	Color
R _{YB}	118, 165, 227
Decimal	7785187
CIE Lab	77.00, -18.93, -20.32
CIE LCh	77, 27.766, 227.032
Yxy	51.5317, 0.2433, 0.2959
Android (android.graphics.Color)	4285975267 (0xFF76CAE3)
YUV	179.7340, 23.3021, -54.1407
Hunter-Lab	71.7856, -20.2821, -16.0351

Details

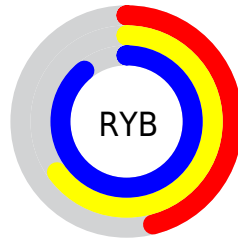
The CIELCh color **77, 27.766, 227.032** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **67, 39.508, 42.393**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.109, 197.869**, and **57, 27.854, 227.223** is the 20% darker color. If you saturate the color by 10%, you get **75, 31.837, 228.808**, and if you desaturate by 10%, it is **79, 22.991, 225.666**.

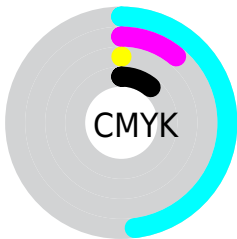
Distribution



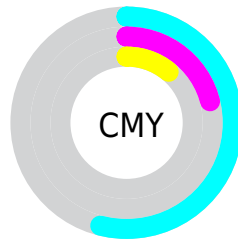
- Red (46%)
- Green (79%)
- Blue (89%)



- Red (46%)
- Yellow (65%)
- Blue (89%)



- Cyan (48%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)





- Cyan (54%)
- Magenta (21%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 27.766, 227.032 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 77, 27.766, 227.032 by changing the saturation by 10% instead.


 77, 27.766,
227.032


 77, 27.766,
227.032


 100, 27.766,
227.032


 67, 27.766,
227.032


 97, 27.766,
227.032

 57, 27.766,
227.032

 47, 27.766,
227.032

 37, 27.766,
227.032

 27, 27.766,
227.032

 17, 27.766,
227.032

 7, 27.766, 227.032

0, 27.766, 227.032

77, 27.766,
227.032

77, 27.766,
227.032

75, 31.837,
228.808

79, 22.991,
225.666

72, 35.151,
231.090

82, 17.600,
224.637

70, 37.701,
233.966

85, 11.689,
223.880

69, 39.555,
237.508

88, 5.354, 223.372

67, 40.887,
241.704

91, 1.316, 42.410

94, 8.243, 42.505

67, 41.137,
242.542

95, 8.443, 63.291

■ 96, 9.450, 83.005

■ 98, 11.316, 97.495

Harmonies

Complementary

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



77, 27.766, 227.032



67, 39.508, 42.393

Rectangle

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



77, 27.766, 227.032



77, 27.766, 277.032



77, 27.766, 47.032



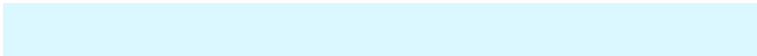
77, 27.766, 97.032

Sweetspot

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



77, 27.765, 227.030



95, 10.076, 223.646



82, 58.994, 146.819



50, 6.915, 223.769



0, 0.000, 0.000



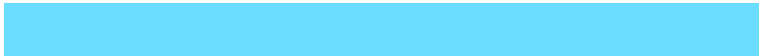
53, 0.007, 296.813

Same Dimension

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



77, 27.765, 227.030



83, 34.913, 228.873



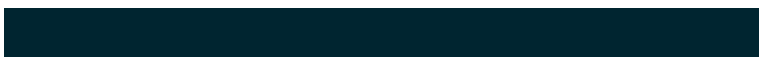
62, 44.194, 283.360



46, 3.728, 223.424



53, 33.910, 241.724



13, 13.612, 233.673

Inverse Universe

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



65, 58.503, 334.924



67, 75.532, 335.757



80, 43.068, 88.727



44, 6.950, 332.148



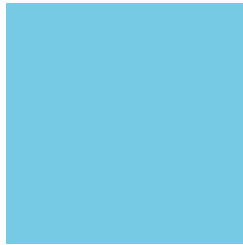
40, 73.373, 339.943



7, 30.767, 337.629

Previews

White Background



This preview shows how the CIELCh color 77, 27.766, 227.032 looks on a white background.

Color Contrast Check

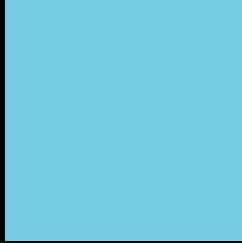
Large Text (above 18pt) WCAG AA × Fail

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 77, 27.766, 227.032 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 77, 27.766, 227.032

Background



This preview shows how black text looks on a background with the CIELCh color 77, 27.766, 227.032.



This preview shows how white text looks on a background with the CIELCh color 77, 27.766, 227.032.

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

77, 27.766, 227.032

Protanopia

77, 15.626, 286.555

Deuteranopia

77, 24.254, 293.966



Tritanopia
77, 27.519, 216.001

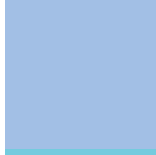
Trichromacy



Original Color
77, 27.766, 227.032



Protanomaly
77, 18.232, 254.963



Deuteranomaly
76, 22.162, 266.992

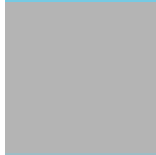


Tritanomaly
77, 27.567, 219.621

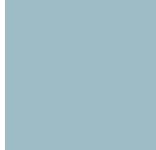
Monochromacy



Original Color
77, 27.766, 227.032



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 11.670, 223.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 27.766, 227.032 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(118, 202, 227)` looks like.

```
.text, #text, p{  
    color:rgb(118, 202, 227)  
}
```

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(118, 202, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 202, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 27.766, 227.032 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(118, 202, 227) }
```

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

```
.border{ border-color:rgb(118, 202, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 202, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 202, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 202, 227);  
box-shadow:4px 4px 4px 4px rgb(118, 202,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 27.766, 227.032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 202, 227) }
```

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

```
.background{ background-color: rgb(118,  
202, 227) }
```

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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