

Converting Colors

CIELCh(77, 31.856, 235.674)

Have a look what the booklet for
CIELCh(77, 31.856, 235.674)
contains.

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Color

CIELCh(77, 31.863, 235.624)

Conversions

Conversions Part 1

Format	Color
Hex	6CCAEE
RGB	108, 202, 238
RGB Percent	42%, 79%, 93%
CMY	0.5769, 0.2083, 0.0671
CMYK	0.55, 0.15, 0.00, 0.07
HSL	197°, 79%, 68%
HSV	197°, 55%, 93%
XYZ	42.6764, 51.5317, 88.4922
YIQ	177.9980, -67.5800, -8.7320

Conversions

Conversions Part 2

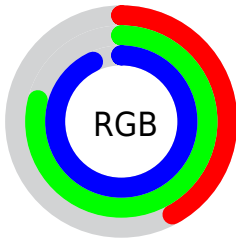
Format	Color
R _{YB}	108, 163, 238
Decimal	7129838
CIE Lab	77.00, -17.99, -26.30
CIE LCh	77, 31.863, 235.624
Yxy	51.5317, 0.2336, 0.2821
Android (android.graphics.Color)	4285319918 (0xFF6CCAEE)
YUV	177.9980, 29.5810, -61.3882
Hunter-Lab	71.7856, -19.5070, -22.8385

Details

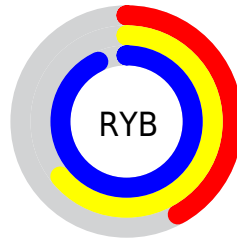
The CIELCh color **77, 31.863, 235.624** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **69, 46.864, 46.826**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **57, 31.866, 235.445** is the 20% darker color. If you saturate the color by 10%, you get **74, 35.844, 238.205**, and if you desaturate by 10%, it is **80, 27.205, 233.578**.

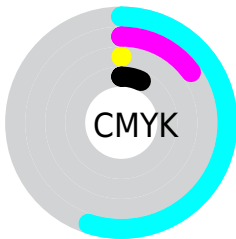
Distribution



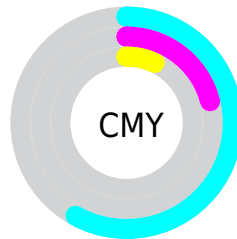
- Red (42%)
- Green (79%)
- Blue (93%)



- Red (42%)
- Yellow (64%)
- Blue (93%)



- Cyan (55%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)




- Cyan (58%)
- Magenta (21%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 31.863, 235.624 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, 31.863, 235.624 by changing the saturation by 10% instead.


 77, 31.863,
235.624


 77, 31.863,
235.624


 100, 31.863,
235.624


 67, 31.863,
235.624


 97, 31.863,
235.624

 57, 31.863,
235.624

 47, 31.863,
235.624

 37, 31.863,
235.624

 27, 31.863,
235.624

 17, 31.863,
235.624

 7, 31.863, 235.624

■ 0, 31.863, 235.624

■ 77, 31.863,
235.624

■ 77, 31.863,
235.624

■ 74, 35.844,
238.205

■ 80, 27.205,
233.578

■ 72, 39.145,
241.416

■ 83, 21.926,
231.977

■ 70, 41.828,
245.323

■ 86, 16.105,
230.735

■ 67, 44.048,
249.922

■ 89, 9.832, 229.790

■ 66, 45.170,
252.548

■ 92, 3.193, 229.167

■ 96, 3.732, 48.252

■ 98, 5.702, 83.629

■ 99, 8.454, 108.504

■ 100, 8.667,
109.520

Harmonies

Complementary

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



77, 31.863, 235.624



69, 46.864, 46.826

Rectangle

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



77, 31.863, 235.624



77, 31.863, 285.624



77, 31.863, 55.624



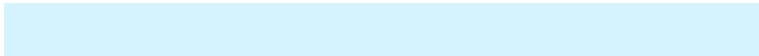
77, 31.863, 105.624

Sweetspot

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



77, 31.862, 235.623



94, 11.321, 229.906



85, 66.412, 147.655



50, 7.603, 230.087



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, 31.862, 235.623



79, 38.383, 238.674



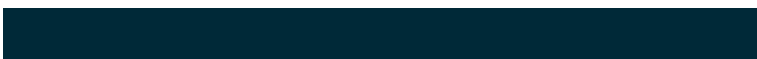
60, 56.415, 288.170



48, 3.884, 229.410



52, 36.962, 251.655



15, 15.416, 243.804

Inverse Universe

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



64, 65.934, 337.585



64, 80.675, 338.745



84, 52.775, 91.505



47, 7.093, 333.973



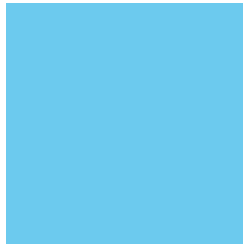
41, 73.228, 343.205



9, 32.827, 340.582

Previews

White Background



This preview shows how the CIELCh color 77, 31.863, 235.624 looks on a white background.

Color Contrast Check

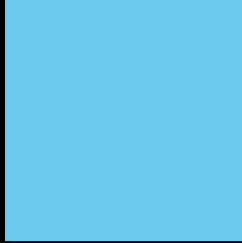
Large Text (above 18pt) WCAG AA × Fail

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, 31.863, 235.624 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, 31.863, 235.624

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.863, 235.624.

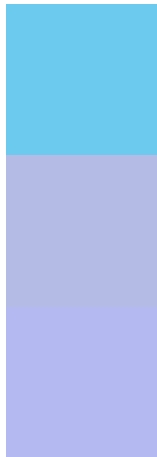


This preview shows how white text looks on a background with the CIELCh color 77, 31.863, 235.624.

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, 31.863, 235.624

Protanopia

77, 22.123, 286.143

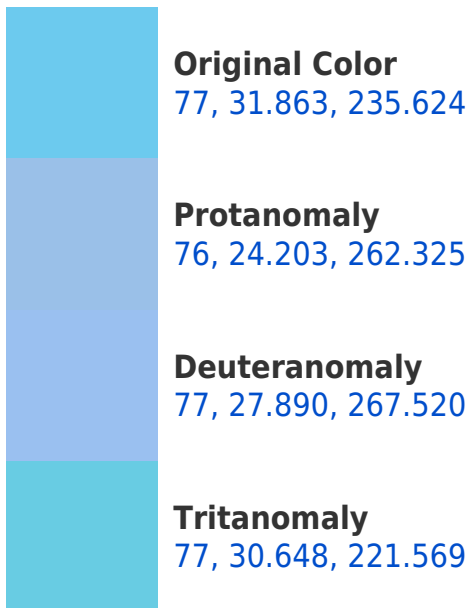
Deuteranopia

77, 29.594, 289.109

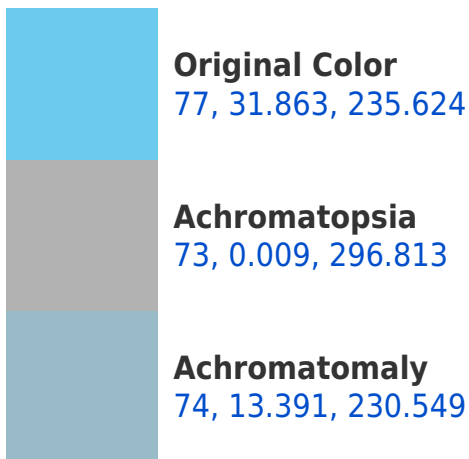


Tritanopia
77, 30.693, 213.827

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.863, 235.624 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(108, 202, 238)` looks like.

```
.text, #text, p{  
    color:rgb(108, 202, 238)  
}
```

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(108, 202, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 202, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.863, 235.624 is called "border". The border property can be set on classes, ids or directly on the HTML element.

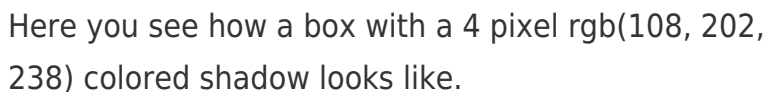
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 202, 238) }
```

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

```
.border{ border-color:rgb(108, 202, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 202, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 202, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 202, 238); box-shadow:4px 4px 4px 4px rgb(108, 202, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.863, 235.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 202, 238) }
```

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

```
.background{ background-color: rgb(108,  
202, 238) }
```

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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