

Converting Colors

CIELCh(77, 30.835, 221.402)

Have a look what the booklet for
CIELCh(77, 30.835, 221.402)
contains.

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Color

CIELCh(77, 30.836, 221.403)

Conversions

Conversions Part 1

Format	Color
Hex	67CCE3
RGB	103, 204, 227
RGB Percent	40%, 80%, 89%
CMY	0.5967, 0.2005, 0.1104
CMYK	0.55, 0.10, 0.00, 0.11
HSL	191°, 69%, 65%
HSV	191°, 55%, 89%
XYZ	40.9810, 51.5317, 80.3564
YIQ	176.4230, -67.5790, -14.2590

Conversions

Conversions Part 2

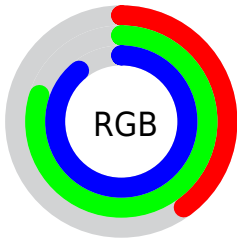
Format	Color
RYB	103, 159, 227
Decimal	6802659
CIELab	77.00, -23.13, -20.39
CIELCh	77, 30.836, 221.403
Yxy	51.5317, 0.2371, 0.2981
Android (android.graphics.Color)	4284992739 (0xFF67CCE3)
YUV	176.4230, 24.9345, -64.3920
Hunter-Lab	71.7856, -23.7228, -16.1189

Details

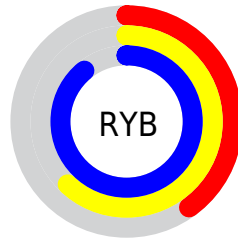
The CIELCh color **77, 30.836, 221.403** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 47.297, 38.954**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **57, 30.908, 221.327** is the 20% darker color. If you saturate the color by 10%, you get **75, 34.278, 223.015**, and if you desaturate by 10%, it is **79, 26.575, 220.183**.

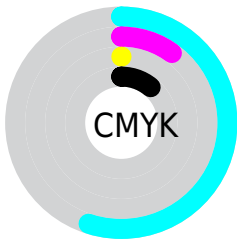
Distribution



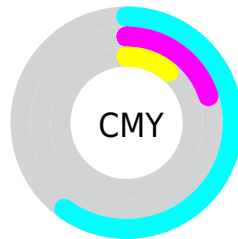
- Red (40%)
- Green (80%)
- Blue (89%)



- Red (40%)
- Yellow (62%)
- Blue (89%)



- Cyan (55%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (20%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 30.836, 221.403 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, 30.836, 221.403 by changing the saturation by 10% instead.

 77, 30.836,
221.403


 77, 30.836,
221.403


 100, 30.836,
221.403


 67, 30.836,
221.403


 97, 30.836,
221.403

 57, 30.836,
221.403

 47, 30.836,
221.403

 37, 30.836,
221.403

 27, 30.836,
221.403

 17, 30.836,
221.403

 7, 30.836, 221.403

0, 30.836, 221.403

77, 30.836,
221.403

77, 30.836,
221.403

75, 34.278,
223.015

79, 26.575,
220.183

73, 36.864,
225.105

81, 21.578,
219.287

72, 38.616,
227.750

84, 15.943,
218.651

70, 39.641,
231.004

86, 9.780, 218.232

70, 40.019,
232.922

89, 3.192, 218.076

92, 3.728, 37.566

94, 8.569, 42.495

■ 95, 8.380, 60.190

■ 96, 8.987, 76.984

Harmonies

Complementary

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



77, 30.836, 221.403



63, 47.297, 38.954

Rectangle

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



77, 30.836, 221.403



77, 30.836, 271.403



77, 30.836, 41.403



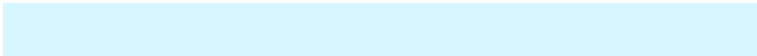
77, 30.836, 91.403

Sweetspot

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



77, 30.835, 221.401



95, 11.686, 218.280



81, 68.046, 144.884



50, 7.841, 218.356



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, 30.835, 221.401



83, 38.013, 223.347



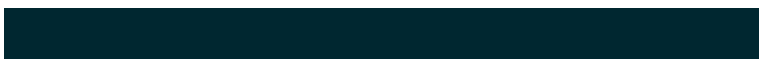
60, 48.406, 282.816



46, 3.808, 218.100



55, 33.064, 232.241



14, 13.546, 225.683

Inverse Universe

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



62, 67.441, 333.633



64, 85.663, 334.494



78, 47.848, 85.162



44, 7.170, 330.578



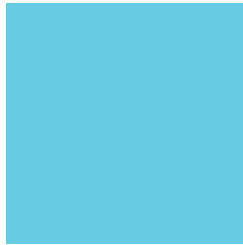
40, 75.775, 337.244



7, 31.689, 335.511

Previews

White Background



This preview shows how the CIE LCh color 77, 30.836, 221.403 looks on a white background.

Color Contrast Check

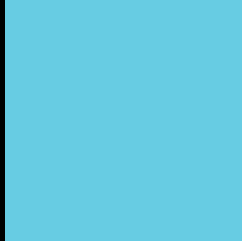
Large Text (above 18pt) WCAG AA × Fail

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, 30.836, 221.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

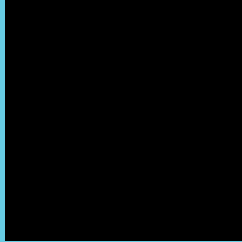
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 30.836, 221.403

Background



This preview shows how black text looks on a background with the CIELCh color 77, 30.836, 221.403.



This preview shows how white text looks on a background with the CIELCh color 77, 30.836, 221.403.

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, 30.836, 221.403

Protanopia
76, 15.621, 287.819

Deuteranopia
77, 24.779, 293.205



Tritanopia
77, 30.890, 213.707

Trichromacy



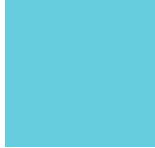
Original Color
77, 30.836, 221.403



Protanomaly
76, 18.938, 249.234



Deuteranomaly
76, 22.589, 261.299

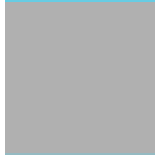


Tritanomaly
77, 30.798, 215.912

Monochromacy



Original Color
77, 30.836, 221.403



Achromatopsia
72, 0.009, 296.813



Achromatomaly
73, 13.337, 217.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 30.836, 221.403 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(103, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(103, 204, 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(103, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 204, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 30.836, 221.403 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(103, 204, 227) }
```

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

```
.border{ border-color:rgb(103, 204, 227) }
```

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

Here you see how a box with a 4 pixel rgb(103, 204, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 204, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 204, 227);  
box-shadow:4px 4px 4px 4px rgb(103, 204,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 30.836, 221.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 204, 227) }
```

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

```
.background{ background-color: rgb(103,  
204, 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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