

Converting Colors

CIELCh(77, 28.773, 224.130)

Have a look what the booklet for
CIELCh(77, 28.773, 224.130)
contains.

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Color

CIELCh(77, 28.682, 223.465)

Conversions

Conversions Part 1

Format	Color
Hex	71CBE2
RGB	113, 203, 226
RGB Percent	44%, 80%, 89%
CMY	0.5581, 0.2051, 0.1149
CMYK	0.50, 0.10, 0.00, 0.11
HSL	192°, 66%, 66%
HSV	192°, 50%, 89%
XYZ	41.7381, 51.5317, 79.4756
YIQ	178.7120, -61.0230, -11.9270

Conversions

Conversions Part 2

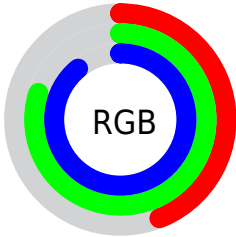
Format	Color
R _{YB}	113, 163, 226
Decimal	7457762
CIE _{Lab}	77.00, -20.82, -19.73
CIE _{LCh}	77, 28.682, 223.465
Yxy	51.5317, 0.2416, 0.2983
Android (android.graphics.Color)	4285647842 (0xFF71CBE2)
YUV	178.7120, 23.3130, -57.6294
Hunter-Lab	71.7856, -21.8401, -15.3915

Details

The CIELCh color **77, 28.682, 223.465** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 41.927, 40.168**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.483, 197.785**, and **57, 28.735, 223.477** is the 20% darker color. If you saturate the color by 10%, you get **75, 32.520, 225.072**, and if you desaturate by 10%, it is **79, 24.088, 222.245**.

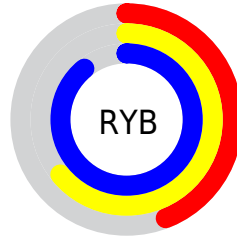
Distribution



Red (44%)

Green (80%)

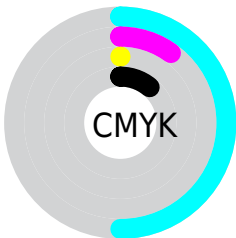
Blue (89%)



Red (44%)

Yellow (64%)

Blue (89%)

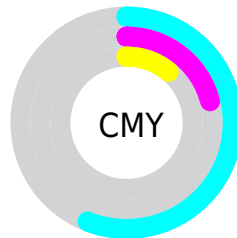


Cyan (50%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (56%)

Magenta (21%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 28.682, 223.465 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, 28.682, 223.465 by changing the saturation by 10% instead.

 77, 28.682,
223.465

 77, 28.682,
223.465

 100, 28.682,
223.465

 67, 28.682,
223.465

 97, 28.682,
223.465

 57, 28.682,
223.465

 47, 28.682,
223.465

 37, 28.682,
223.465

 27, 28.682,
223.465

 17, 28.682,
223.465

 7, 28.682, 223.465

0, 28.682, 223.465

77, 28.682,
223.465

77, 28.682,
223.465

75, 32.520,
225.072

79, 24.088,
222.245

73, 35.549,
227.157

82, 18.827,
221.343

71, 37.764,
229.802

84, 13.000,
220.697

70, 39.239,
233.078

87, 6.709, 220.277

68, 40.194,
236.895

90, 0.052, 231.433

93, 6.892, 39.601

94, 8.725, 52.201

■ 95, 9.027, 70.565

■ 97, 10.156, 86.203

Harmonies

Complementary

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



77, 28.682, 223.465



66, 41.927, 40.168

Rectangle

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



77, 28.682, 223.465



77, 28.682, 273.465



77, 28.682, 43.465



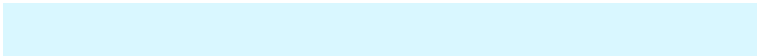
77, 28.682, 93.465

Sweetspot

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



77, 28.681, 223.463



95, 10.885, 220.460



82, 61.801, 146.017



50, 7.381, 220.555



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, 28.681, 223.463



84, 35.790, 225.134



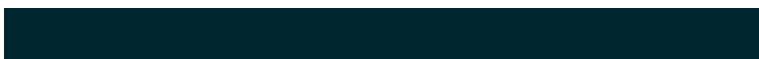
61, 44.948, 282.742



46, 3.771, 220.259



54, 33.309, 236.165



13, 13.544, 228.956

Inverse Universe

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



63, 61.506, 334.020



67, 78.919, 334.802



79, 44.145, 87.155



44, 7.079, 331.211



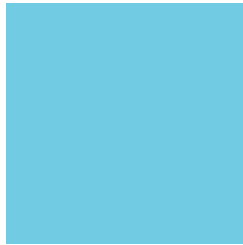
40, 74.766, 338.324



7, 31.305, 336.361

Previews

White Background



This preview shows how the CIE LCh color 77, 28.682, 223.465 looks on a white background.

Color Contrast Check

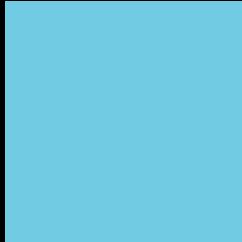
Large Text (above 18pt) WCAG AA × Fail

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, 28.682, 223.465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

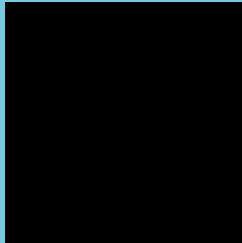
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 28.682, 223.465

Background



This preview shows how black text looks on a background with the CIELCh color 77, 28.682, 223.465.



This preview shows how white text looks on a background with the CIELCh color 77, 28.682, 223.465.

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, 28.682, 223.465

Protanopia

77, 15.091, 286.316

Deuteranopia

77, 24.254, 293.966



Tritanopia
77, 28.617, 215.193

Trichromacy



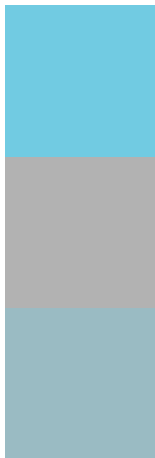
Original Color
77, 28.682, 223.465

Protanomaly
76, 18.185, 252.218

Deuteranomaly
76, 21.938, 264.815

Tritanomaly
77, 28.550, 217.574

Monochromacy



Original Color
77, 28.682, 223.465

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 12.113, 219.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 28.682, 223.465 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(113, 203, 226)` looks like.

```
.text, #text, p{  
    color:rgb(113, 203, 226)  
}
```

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(113, 203, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 203, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 28.682, 223.465 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(113, 203, 226) }
```

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

```
.border{ border-color:rgb(113, 203, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 203, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 203, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 203, 226);  
box-shadow:4px 4px 4px 4px rgb(113, 203,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 28.682, 223.465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 203, 226) }
```

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

```
.background{ background-color: rgb(113,  
203, 226) }
```

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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