

Converting Colors

CIELCh(77, 28.393, 215.777)

Have a look what the booklet for
CIELCh(77, 28.393, 215.777)
contains.

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Color

CIELCh(77, 28.402, 215.344)

Conversions

Conversions Part 1

Format	Color
Hex	70CCDC
RGB	112, 204, 220
RGB Percent	44%, 80%, 86%
CMY	0.5626, 0.2017, 0.1390
CMYK	0.49, 0.07, 0.00, 0.14
HSL	189°, 60%, 65%
HSV	189°, 49%, 86%
XYZ	40.9686, 51.5317, 75.1852
YIQ	178.3160, -59.9680, -14.5280

Conversions

Conversions Part 2

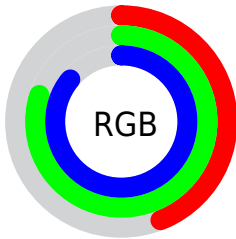
Format	Color
R _Y B	112, 162, 220
Decimal	7392476
CIE Lab	77.00, -23.17, -16.43
CIE LCh	77, 28.402, 215.344
Yxy	51.5317, 0.2443, 0.3073
Android (android.graphics.Color)	4285582556 (0xFF70CCDC)
YUV	178.3160, 20.5502, -58.1591
Hunter-Lab	71.7856, -23.7535, -11.8479

Details

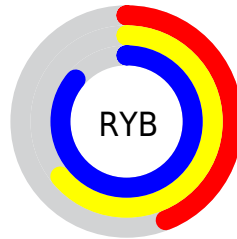
The CIELCh color **77, 28.402, 215.344** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 41.566, 35.465**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **57, 28.513, 214.752** is the 20% darker color. If you saturate the color by 10%, you get **75, 32.204, 216.340**, and if you desaturate by 10%, it is **79, 23.798, 214.631**.

Distribution



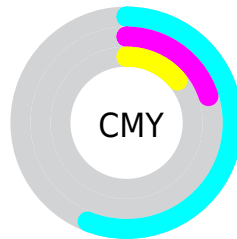
- Red (44%)
- Green (80%)
- Blue (86%)



- Red (44%)
- Yellow (64%)
- Blue (86%)



- Cyan (49%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)



- Cyan (56%)
- Magenta (20%)
- Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 28.402, 215.344 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, 28.402, 215.344 by changing the saturation by 10% instead.

 77, 28.402,
215.344

 77, 28.402,
215.344

 100, 28.402,
215.344

 67, 28.402,
215.344

 97, 28.402,
215.344

 57, 28.402,
215.344

 47, 28.402,
215.344

 37, 28.402,
215.344

 27, 28.402,
215.344

 17, 28.402,
215.344

 7, 28.402, 215.344

0, 28.402, 215.344

77, 28.402,
215.344

77, 28.402,
215.344

75, 32.204,
216.340

79, 23.798,
214.631

74, 35.138,
217.686

81, 18.493,
214.155

72, 37.179,
219.445

83, 12.593,
213.872

71, 38.373,
221.678

85, 6.211, 213.769

70, 38.895,
224.382

88, 0.554, 32.567

70, 38.930,
224.606

90, 7.610, 33.610

92, 11.149, 38.183

■ 93, 10.711, 48.549

■ 94, 10.650, 59.391

Harmonies

Complementary

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



77, 28.402, 215.344



63, 41.566, 35.465

Rectangle

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



77, 28.402, 215.344



77, 28.402, 265.344



77, 28.402, 35.344



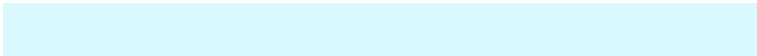
77, 28.402, 85.344

Sweetspot

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



77, 28.402, 215.342



96, 11.250, 213.807



80, 62.391, 144.059



51, 7.626, 213.837



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, 28.402, 215.342



86, 36.171, 216.375



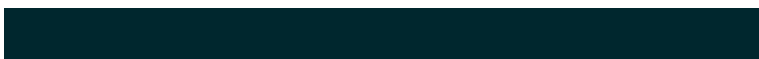
62, 39.380, 277.508



45, 3.828, 213.769



56, 32.659, 224.098



14, 13.238, 218.711

Inverse Universe

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



62, 61.468, 331.828



67, 80.826, 332.485



75, 40.516, 81.762



43, 7.224, 329.317



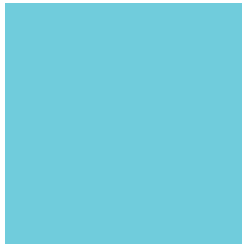
40, 77.126, 335.121



7, 31.142, 333.709

Previews

White Background



This preview shows how the CIE LCh color 77, 28.402, 215.344 looks on a white background.

Color Contrast Check

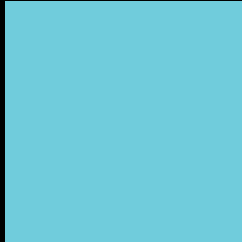
Large Text (above 18pt) WCAG AA × Fail

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, 28.402, 215.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

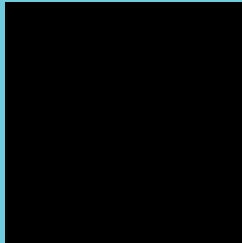
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 28.402, 215.344

Background



This preview shows how black text looks on a background with the CIELCh color 77, 28.402, 215.344.



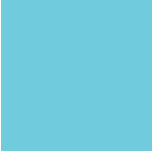
This preview shows how white text looks on a background with the CIELCh color 77, 28.402, 215.344.

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





Tritanopia
77, 28.248, 216.643

Trichromacy



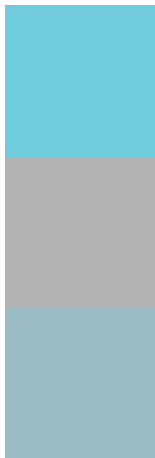
Original Color
77, 28.402, 215.344

Protanomaly
77, 15.283, 240.934

Deuteranomaly
76, 18.608, 259.566

Tritanomaly
77, 28.248, 216.643

Monochromacy



Original Color
77, 28.402, 215.344

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 11.859, 214.577

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 28.402, 215.344 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(112, 204, 220)` looks like.

```
.text, #text, p{  
    color:rgb(112, 204, 220)  
}
```

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(112, 204, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 204, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 28.402, 215.344 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(112, 204, 220) }
```

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

```
.border{ border-color:rgb(112, 204, 220) }
```

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

Here you see how a box with a 4 pixel rgb(112, 204, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 204, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 204, 220);  
box-shadow:4px 4px 4px 4px rgb(112, 204,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 28.402, 215.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 204, 220) }
```

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

```
.background{ background-color: rgb(112,  
204, 220) }
```

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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