

Converting Colors

CIELCh(77, 27.149, 217.525)

Have a look what the booklet for
CIELCh(77, 27.149, 217.525)
contains.

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Color

CIELCh(77, 27.154, 217.508)

Conversions

Conversions Part 1

Format	Color
Hex	75CBDC
RGB	117, 203, 220
RGB Percent	46%, 80%, 86%
CMY	0.5420, 0.2048, 0.1381
CMYK	0.47, 0.08, 0.00, 0.14
HSL	190°, 59%, 66%
HSV	190°, 47%, 86%
XYZ	41.5003, 51.5317, 75.3169
YIQ	179.2240, -56.7130, -12.9450

Conversions

Conversions Part 2

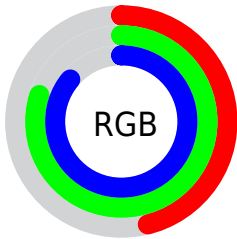
Format	Color
RYB	117, 164, 220
Decimal	7719900
CIELab	77.00, -21.54, -16.53
CIELCh	77, 27.154, 217.508
Yxy	51.5317, 0.2465, 0.3061
Android (android.graphics.Color)	4285909980 (0xFF75CBDC)
YUV	179.2240, 20.1026, -54.5704
Hunter-Lab	71.7856, -22.4314, -11.9567

Details

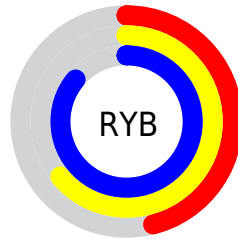
The CIELCh color **77, 27.154, 217.508** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 38.826, 36.669**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.662, 197.835**, and **57, 27.140, 217.111** is the 20% darker color. If you saturate the color by 10%, you get **75, 31.141, 218.597**, and if you desaturate by 10%, it is **79, 22.405, 216.716**.

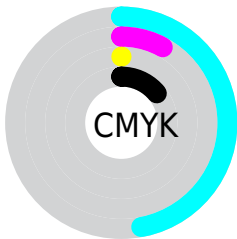
Distribution



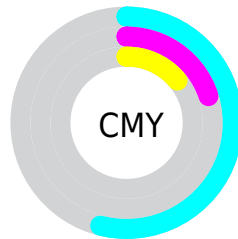
- Red (46%)
- Green (80%)
- Blue (86%)



- Red (46%)
- Yellow (64%)
- Blue (86%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (54%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 27.154, 217.508 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, 27.154, 217.508 by changing the saturation by 10% instead.

 77, 27.154,
217.508

 77, 27.154,
217.508

 100, 27.154,
217.508

 67, 27.154,
217.508

 97, 27.154,
217.508

 57, 27.154,
217.508

 47, 27.154,
217.508

 37, 27.154,
217.508

 27, 27.154,
217.508

 17, 27.154,
217.508

 7, 27.154, 217.508

0, 27.154, 217.508

77, 27.154,
217.508

77, 27.154,
217.508

75, 31.141,
218.597

79, 22.405,
216.716

73, 34.292,
220.058

81, 16.994,
216.173

72, 36.576,
221.960

84, 11.028,
215.832

71, 38.021,
224.373

86, 4.614, 215.698

69, 38.751,
227.337

88, 2.153, 35.205

69, 38.919,
228.325

91, 9.187, 35.416

93, 10.803, 43.447

■ 93, 10.555, 55.490

■ 94, 10.788, 67.523

Harmonies

Complementary

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



77, 27.154, 217.508



65, 38.826, 36.669

Rectangle

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



77, 27.154, 217.508



77, 27.154, 267.508



77, 27.154, 37.508



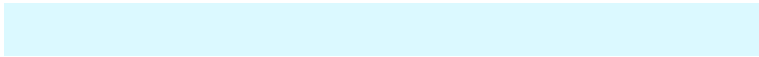
77, 27.154, 87.508

Sweetspot

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



77, 27.154, 217.506



96, 10.412, 215.771



80, 58.979, 144.840



51, 7.143, 215.818



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, 27.154, 217.506



86, 34.681, 218.548



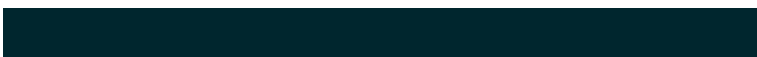
63, 38.343, 278.231



45, 3.784, 215.705



55, 32.607, 227.751



13, 13.158, 221.654

Inverse Universe

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



63, 58.215, 332.302



69, 76.620, 332.943



76, 38.984, 83.529



43, 7.138, 329.879



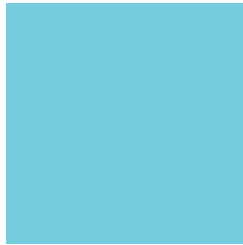
40, 76.136, 336.057



7, 30.770, 334.448

Previews

White Background



This preview shows how the CIELCh color 77, 27.154, 217.508 looks on a white background.

Color Contrast Check

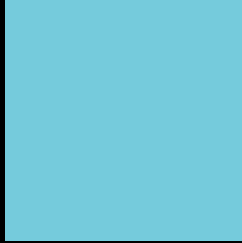
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 27.154, 217.508 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, 27.154, 217.508

Background



This preview shows how black text looks on a background with the CIELCh color 77, 27.154, 217.508.



This preview shows how white text looks on a background with the CIELCh color 77, 27.154, 217.508.

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, 27.154, 217.508

Protanopia

77, 11.840, 287.874

Deuteranopia

77, 21.138, 297.653



Tritanopia
77, 27.072, 216.343

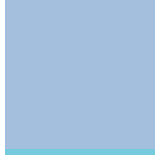
Trichromacy



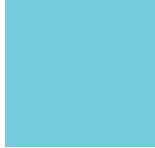
Original Color
77, 27.154, 217.508



Protanomaly
76, 15.309, 246.666



Deuteranomaly
76, 18.632, 263.094

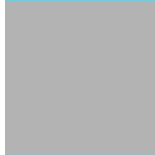


Tritanomaly
77, 27.072, 216.343

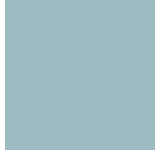
Monochromacy



Original Color
77, 27.154, 217.508



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 11.535, 215.046

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 27.154, 217.508 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(117, 203, 220)` looks like.

```
.text, #text, p{  
    color:rgb(117, 203, 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(117, 203, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 203, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 27.154, 217.508 is called "border". The border property can be set on classes, ids or directly on the HTML element.

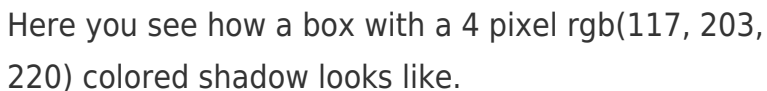
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 203, 220) }
```

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

```
.border{ border-color:rgb(117, 203, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 203, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 203, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 203, 220);  
box-shadow:4px 4px 4px 4px rgb(117, 203,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 27.154, 217.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 203, 220) }
```

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

```
.background{ background-color: rgb(117,  
203, 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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