

Converting Colors

CIELCh(77, 32.984, 214.314)

Have a look what the booklet for
CIELCh(77, 32.984, 214.314)
contains.

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Color

CIELCh(77, 32.993, 213.498)

Conversions

Conversions Part 1

Format	Color
Hex	5BCEDF
RGB	91, 206, 223
RGB Percent	36%, 81%, 87%
CMY	0.6444, 0.1932, 0.1266
CMYK	0.59, 0.08, 0.00, 0.13
HSL	188°, 67%, 61%
HSV	188°, 59%, 87%
XYZ	39.5707, 51.5317, 77.4780
YIQ	173.5530, -73.9970, -19.0930

Conversions

Conversions Part 2

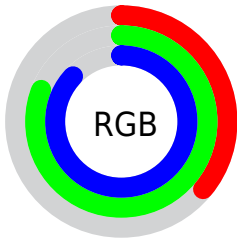
Format	Color
R _Y B	91, 152, 223
Decimal	6016735
CIE Lab	77.00, -27.51, -18.21
CIE LCh	77, 32.993, 213.498
Yxy	51.5317, 0.2347, 0.3057
Android (android.graphics.Color)	4284206815 (0xFF5BCEDF)
YUV	173.5530, 24.3774, -72.3990
Hunter-Lab	71.7856, -27.2295, -13.7416

Details

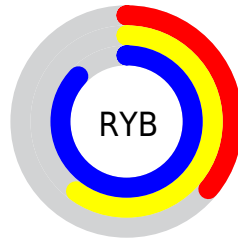
The CIELCh color **77, 32.993, 213.498** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **59, 53.245, 35.200**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.401, 197.485**, and **57, 32.642, 214.290** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.950, 214.611**, and if you desaturate by 10%, it is **79, 29.131, 212.689**.

Distribution



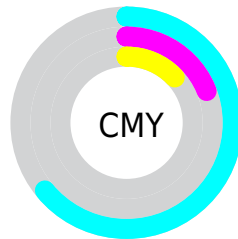
- Red (36%)
- Green (81%)
- Blue (87%)



- Red (36%)
- Yellow (60%)
- Blue (87%)



- Cyan (59%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (64%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 32.993, 213.498 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, 32.993, 213.498 by changing the saturation by 10% instead.

 77, 32.993,
213.498

 77, 32.993,
213.498

 100, 32.993,
213.498

 67, 32.993,
213.498

 97, 32.993,
213.498

 57, 32.993,
213.498

 47, 32.993,
213.498

 37, 32.993,
213.498

 27, 32.993,
213.498

 17, 32.993,
213.498

 7, 32.993, 213.498

0, 32.993, 213.498

77, 32.993,
213.498

77, 32.993,
213.498

76, 35.950,
214.611

79, 29.131,
212.689

74, 37.980,
216.086

80, 24.439,
212.136

73, 39.123,
217.976

82, 19.015,
211.792

72, 39.557,
220.277

84, 12.974,
211.621

72, 39.580,
220.447

87, 6.431, 211.615

89, 0.509, 30.389

91, 7.750, 31.623

■ 93, 10.140, 37.455

■ 93, 9.730, 47.481

Harmonies

Complementary

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



77, 32.993, 213.498



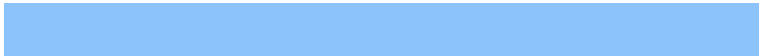
59, 53.245, 35.200

Rectangle

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



77, 32.993, 213.498



77, 32.993, 263.498



77, 32.993, 33.498



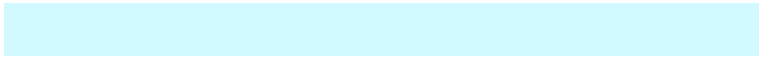
77, 32.993, 83.498

Sweetspot

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



77, 32.992, 213.497



95, 13.567, 211.612



80, 75.446, 142.290



50, 9.338, 211.640



0, 0.000, 0.000



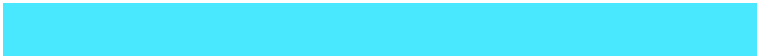
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 32.992, 213.497



85, 40.416, 214.910



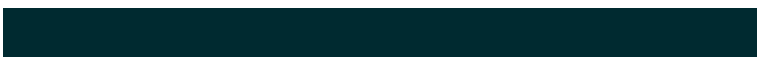
59, 47.178, 279.059



46, 3.956, 211.613



58, 33.219, 220.021



15, 13.806, 215.692

Inverse Universe

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



59, 73.764, 331.740



63, 93.322, 332.466



74, 49.244, 78.799



44, 7.463, 328.692



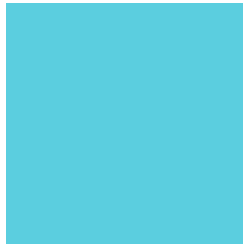
40, 79.126, 334.098



7, 32.937, 333.013

Previews

White Background



This preview shows how the CIELCh color 77, 32.993, 213.498 looks on a white background.

Color Contrast Check

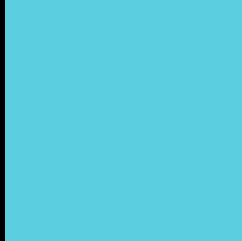
Large Text (above 18pt) WCAG AA × Fail

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, 32.993, 213.498 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, 32.993, 213.498

Background



This preview shows how black text looks on a background with the CIELCh color 77, 32.993, 213.498.



This preview shows how white text looks on a background with the CIELCh color 77, 32.993, 213.498.

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, 32.993, 213.498

Protanopia
76, 12.917, 289.821

Deuteranopia
77, 22.661, 294.803



Tritanopia
77, 32.964, 212.518

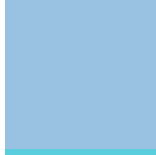
Trichromacy



Original Color
77, 32.993, 213.498



Protanomaly
76, 17.756, 238.384



Deuteranomaly
76, 21.066, 254.065

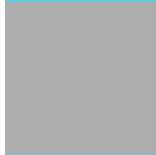


Tritanomaly
77, 32.964, 212.518

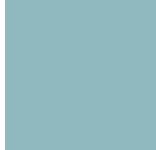
Monochromacy



Original Color
77, 32.993, 213.498



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 14.684, 211.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 32.993, 213.498 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(91, 206, 223)` looks like.

```
.text, #text, p{  
    color:rgb(91, 206, 223)  
}
```

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(91, 206, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 206, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 32.993, 213.498 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(91, 206, 223) }
```

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

```
.border{ border-color:rgb(91, 206, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 206, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 206, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 206, 223);  
box-shadow:4px 4px 4px 4px rgb(91, 206,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 32.993, 213.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 206, 223) }
```

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

```
.background{ background-color: rgb(91, 206,  
223) }
```

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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