

Converting Colors

CIELCh(77, 33.274, 212.520)

Have a look what the booklet for
CIELCh(77, 33.274, 212.520)
contains.

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Color

CIELCh(77, 33.314, 212.332)

Conversions

Conversions Part 1

Format	Color
Hex	59CEDE
RGB	89, 206, 222
RGB Percent	35%, 81%, 87%
CMY	0.6510, 0.1922, 0.1295
CMYK	0.60, 0.07, 0.00, 0.13
HSL	187°, 67%, 61%
HSV	187°, 60%, 87%
XYZ	39.3688, 51.5317, 76.9689
YIQ	172.8410, -74.8680, -19.8280

Conversions

Conversions Part 2

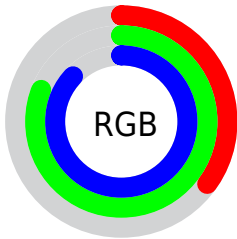
Format	Color
RYB	89, 151, 222
Decimal	5885662
CIELab	77.00, -28.15, -17.82
CIELCh	77, 33.314, 212.332
Yxy	51.5317, 0.2345, 0.3070
Android (android.graphics.Color)	4284075742 (0xFF59CEDE)
YUV	172.8410, 24.2354, -73.5286
Hunter-Lab	71.7856, -27.7316, -13.3211

Details

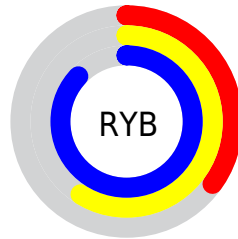
The CIELCh color **77, 33.314, 212.332** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 54.072, 34.715**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **57, 32.635, 213.211** is the 20% darker color. If you saturate the color by 10%, you get **76, 36.213, 213.362**, and if you desaturate by 10%, it is **79, 29.501, 211.590**.

Distribution



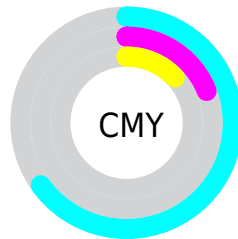
- Red (35%)
- Green (81%)
- Blue (87%)



- Red (35%)
- Yellow (59%)
- Blue (87%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)





- Cyan (65%)
- Magenta (19%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.314, 212.332 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, 33.314, 212.332 by changing the saturation by 10% instead.


 77, 33.314,
212.332


 77, 33.314,
212.332


 100, 33.314,
212.332


 67, 33.314,
212.332


 97, 33.314,
212.332


 57, 33.314,
212.332

 47, 33.314,
212.332

 37, 33.314,
212.332

 27, 33.314,
212.332

 17, 33.314,
212.332

 7, 33.314, 212.332

0, 33.314, 212.332

77, 33.314,
212.332

77, 33.314,
212.332

76, 36.213,
213.362

79, 29.501,
211.590

74, 38.178,
214.734

80, 24.847,
211.092

73, 39.253,
216.496

82, 19.449,
210.794

73, 39.637,
218.630

84, 13.423,
210.663

73, 39.640,
218.649

86, 6.883, 210.688

88, 0.062, 20.984

91, 7.315, 30.758

■ 92, 10.533, 35.166

■ 93, 10.069, 44.055

Harmonies

Complementary

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



77, 33.314, 212.332



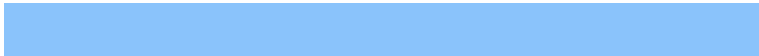
58, 54.072, 34.715

Rectangle

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



77, 33.314, 212.332



77, 33.314, 262.332



77, 33.314, 32.332



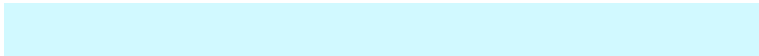
77, 33.314, 82.332

Sweetspot

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



77, 33.313, 212.331



96, 13.656, 210.656



79, 75.930, 142.208



50, 9.399, 210.671



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, 33.313, 212.331



85, 40.889, 213.689



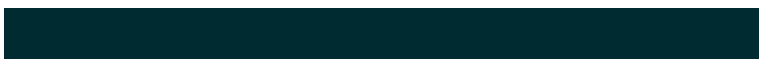
58, 47.569, 279.252



46, 3.983, 210.694



59, 33.356, 218.261



15, 13.876, 214.266

Inverse Universe

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



59, 74.605, 331.464



63, 94.648, 332.185



73, 49.646, 78.705



44, 7.507, 328.424



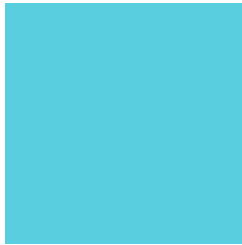
41, 79.645, 333.662



7, 33.126, 332.664

Previews

White Background



This preview shows how the CIELCh color 77, 33.314, 212.332 looks on a white background.

Color Contrast Check

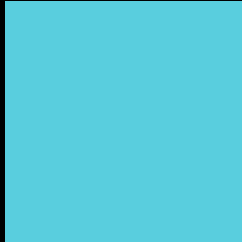
Large Text (above 18pt) WCAG AA × Fail

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, 33.314, 212.332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

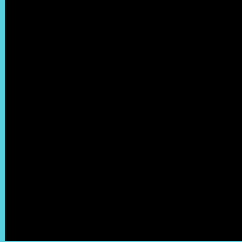
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 33.314, 212.332

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.314, 212.332.



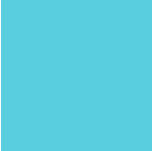
This preview shows how white text looks on a background with the CIELCh color 77, 33.314, 212.332.

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, 33.340, 213.303

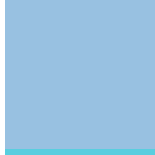
Trichromacy



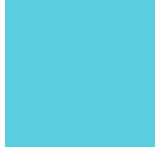
Original Color
77, 33.314, 212.332



Protanomaly
76, 17.467, 236.869



Deuteranomaly
76, 21.237, 253.405

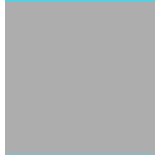


Tritanomaly
77, 33.340, 213.303

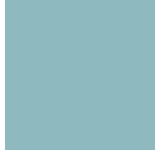
Monochromacy



Original Color
77, 33.314, 212.332



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 14.991, 210.969

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.314, 212.332 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(89, 206, 222)` looks like.

```
.text, #text, p{  
    color:rgb(89, 206, 222)  
}
```

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(89, 206, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 206, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.314, 212.332 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(89, 206, 222) }
```

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

```
.border{ border-color:rgb(89, 206, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 206, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 206, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 206, 222);  
box-shadow:4px 4px 4px 4px rgb(89, 206,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.314, 212.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 206, 222) }
```

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

```
.background{ background-color: rgb(89, 206,  
222) }
```

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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