

Converting Colors

CIELCh(80, 32.234, 212.920)

Have a look what the booklet for
CIELCh(80, 32.234, 212.920)
contains.

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Color

CIELCh(80, 32.211, 212.862)

Conversions

Conversions Part 1

Format	Color
Hex	68D6E6
RGB	104, 214, 230
RGB Percent	41%, 84%, 90%
CMY	0.5926, 0.1612, 0.0985
CMYK	0.55, 0.07, 0.00, 0.10
HSL	188°, 72%, 65%
HSV	188°, 55%, 90%
XYZ	43.9819, 56.6813, 83.4048
YIQ	182.9340, -70.6960, -18.3440

Conversions

Conversions Part 2

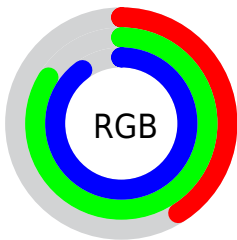
Format	Color
RYB	104, 163, 230
Decimal	6870758
CIELab	80.00, -27.06, -17.48
CIElCh	80, 32.211, 212.862
Yxy	56.6813, 0.2389, 0.3079
Android (android.graphics.Color)	4285060838 (0xFF68D6E6)
YUV	182.9340, 23.2035, -69.2251
Hunter-Lab	75.2870, -27.4743, -12.9821

Details

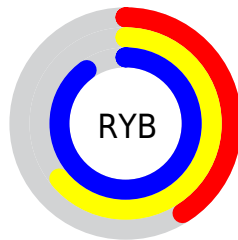
The CIELCh color **80, 32.211, 212.862** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 49.818, 34.480**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **60, 32.207, 212.303** is the 20% darker color. If you saturate the color by 10%, you get **78, 35.658, 213.816**, and if you desaturate by 10%, it is **82, 27.860, 212.185**.

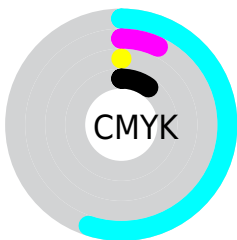
Distribution



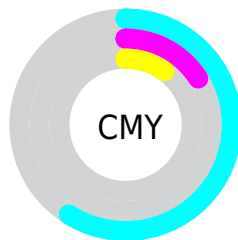
- Red (41%)
- Green (84%)
- Blue (90%)



- Red (41%)
- Yellow (64%)
- Blue (90%)



- Cyan (55%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)





- Cyan (59%)
- Magenta (16%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 32.211, 212.862 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 80, 32.211, 212.862 by changing the saturation by 10% instead.


 80, 32.211,
212.862


 80, 32.211,
212.862


 100, 32.211,
212.862


 70, 32.211,
212.862

 60, 32.211,
212.862

 50, 32.211,
212.862

 40, 32.211,
212.862

 30, 32.211,
212.862

 20, 32.211,
212.862

 10, 32.211,

212.862

0, 32.211, 212.862

80, 32.211,
212.862

80, 32.211,
212.862

78, 35.658,
213.816

82, 27.860,
212.185

77, 38.153,
215.106

84, 22.696,
211.741

76, 39.707,
216.785

86, 16.830,
211.489

75, 40.410,
218.895

88, 10.380,
211.398

74, 40.563,
220.120

90, 3.463, 211.521

93, 3.817, 31.277

■ 94, 7.833, 36.638

■ 95, 7.451, 49.973

■ 96, 7.503, 63.883

Harmonies

Complementary

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



80, 32.211, 212.862



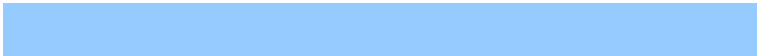
63, 49.818, 34.480

Rectangle

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



80, 32.211, 212.862



80, 32.211, 262.862



80, 32.211, 32.862



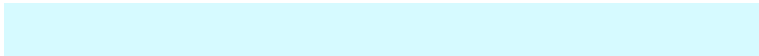
80, 32.211, 82.862

Sweetspot

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



80, 32.210, 212.860



96, 12.151, 211.401



82, 72.261, 142.858



51, 8.151, 211.411



0, 0.000, 0.000



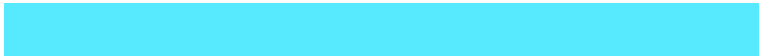
53, 0.007, 296.813

Same Dimension

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



80, 32.210, 212.860



86, 39.056, 213.995



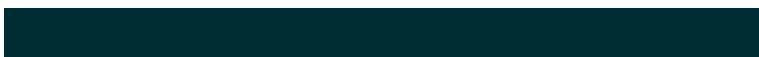
63, 44.646, 277.742



47, 4.035, 211.419



59, 33.599, 219.679



16, 14.258, 215.637

Inverse Universe

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



63, 71.053, 331.414



65, 89.097, 332.100



77, 46.603, 79.454



45, 7.611, 328.637



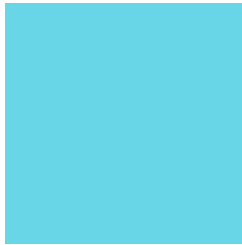
41, 80.076, 334.013



8, 34.118, 333.015

Previews

White Background



This preview shows how the CIELCh color 80, 32.211, 212.862 looks on a white background.

Color Contrast Check

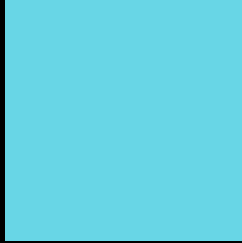
Large Text (above 18pt) WCAG AA × Fail

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 80, 32.211, 212.862 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 80, 32.211, 212.862

Background



This preview shows how black text looks on a background with the CIELCh color 80, 32.211, 212.862.

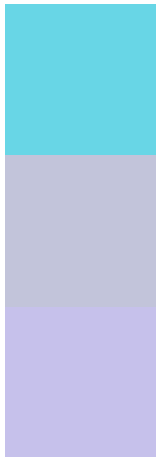


This preview shows how white text looks on a background with the CIELCh color 80, 32.211, 212.862.

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](#).

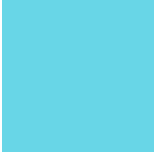
Dichromacy



Original Color
80, 32.211, 212.862

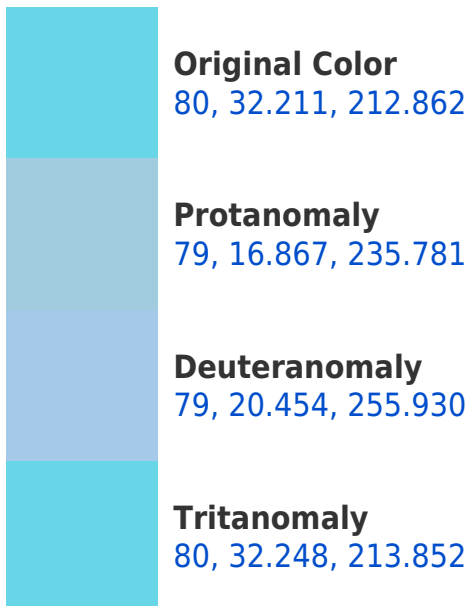
Protanopia
80, 11.749, 287.827

Deuteranopia
80, 22.535, 296.449

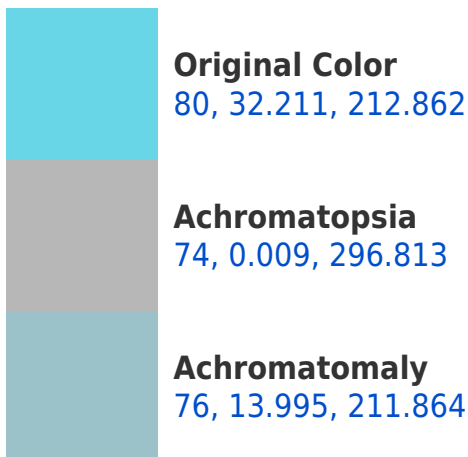


Tritanopia
80, 32.248, 213.852

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 32.211, 212.862 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(104, 214, 230)` looks like.

```
.text, #text, p{  
    color:rgb(104, 214, 230)  
}
```

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(104, 214, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 214, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 32.211, 212.862 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(104, 214, 230) }
```

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

```
.border{ border-color:rgb(104, 214, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 214, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 214, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 214, 230);  
box-shadow:4px 4px 4px 4px rgb(104, 214,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 32.211, 212.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 214, 230) }
```

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

```
.background{ background-color: rgb(104,  
214, 230) }
```

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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