

Converting Colors

CIELCh(80, 33.224, 206.492)

Have a look what the booklet for
CIELCh(80, 33.224, 206.492)
contains.

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Color

CIELCh(80, 33.176, 206.542)

Conversions

Conversions Part 1

Format	Color
Hex	64D7E1
RGB	100, 215, 225
RGB Percent	39%, 84%, 88%
CMY	0.6083, 0.1573, 0.1180
CMYK	0.56, 0.04, 0.00, 0.12
HSL	185°, 67%, 64%
HSV	185°, 56%, 88%
XYZ	43.0931, 56.6813, 79.8291
YIQ	181.7550, -71.7500, -21.2700

Conversions

Conversions Part 2

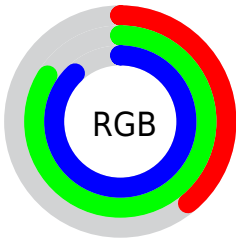
Format	Color
RYB	100, 160, 225
Decimal	6608865
CIELab	80.00, -29.68, -14.82
CIELCh	80, 33.176, 206.542
Yxy	56.6813, 0.2399, 0.3156
Android (android.graphics.Color)	4284798945 (0xFF64D7E1)
YUV	181.7550, 21.3198, -71.6991
Hunter-Lab	75.2870, -29.5816, -10.1661

Details

The CIELCh color **80, 33.176, 206.542** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 51.398, 31.318**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.133, 197.623**, and **60, 33.216, 206.599** is the 20% darker color. If you saturate the color by 10%, you get **79, 36.602, 207.010**, and if you desaturate by 10%, it is **81, 28.818, 206.263**.

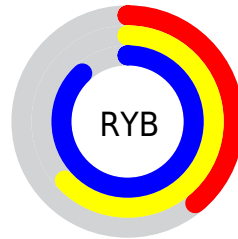
Distribution



Red (39%)

Green (84%)

Blue (88%)



Red (39%)

Yellow (63%)

Blue (88%)

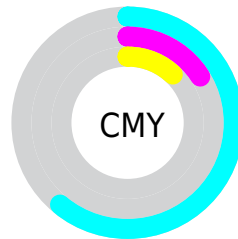


Cyan (56%)

Magenta (4%)

Yellow (0%)

Black (12%)



Cyan (61%)


Magenta (16%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 33.176, 206.542 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, 33.176, 206.542 by changing the saturation by 10% instead.


 80, 33.176,
206.542


 80, 33.176,
206.542


 100, 33.176,
206.542


 70, 33.176,
206.542


 60, 33.176,
206.542

 50, 33.176,
206.542

 40, 33.176,
206.542

 30, 33.176,
206.542

 20, 33.176,
206.542

 10, 33.176,

206.542

0, 33.176, 206.542

80, 33.176,
206.542

80, 33.176,
206.542

79, 36.602,
207.010

81, 28.818,
206.263

78, 39.052,
207.700

83, 23.616,
206.148

77, 40.538,
208.641

84, 17.681,
206.171

76, 41.149,
209.852

86, 11.136,
206.316

76, 41.253,
210.446

88, 4.100, 206.621

90, 3.314, 26.570

■ 93, 10.151, 27.563

■ 93, 9.672, 33.426

■ 93, 9.305, 39.821

Harmonies

Complementary

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



80, 33.176, 206.542



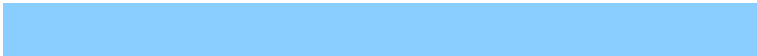
60, 51.398, 31.318

Rectangle

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



80, 33.176, 206.542



80, 33.176, 256.542



80, 33.176, 26.542



80, 33.176, 76.542

Sweetspot

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



80, 33.176, 206.540



96, 13.387, 206.286



81, 74.325, 141.392



51, 8.897, 206.251



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, 33.176, 206.540



88, 40.837, 207.122



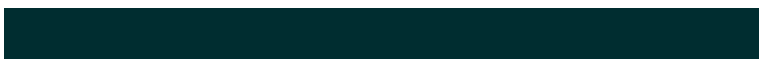
63, 41.430, 273.500



46, 4.121, 206.471



61, 34.383, 210.195



16, 14.310, 207.737

Inverse Universe

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



62, 72.898, 329.808



65, 92.922, 330.394



74, 45.383, 74.788



44, 7.720, 327.190



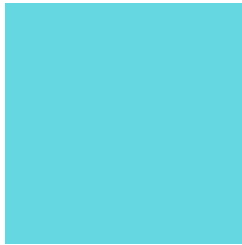
41, 82.187, 331.682



7, 34.048, 331.066

Previews

White Background



This preview shows how the CIELCh color 80, 33.176, 206.542 looks on a white background.

Color Contrast Check

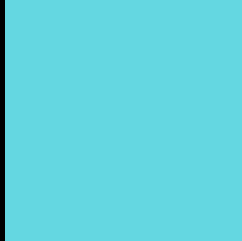
Large Text (above 18pt) WCAG AA × Fail

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, 33.176, 206.542 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, 33.176, 206.542

Background



This preview shows how black text looks on a background with the CIELCh color 80, 33.176, 206.542.

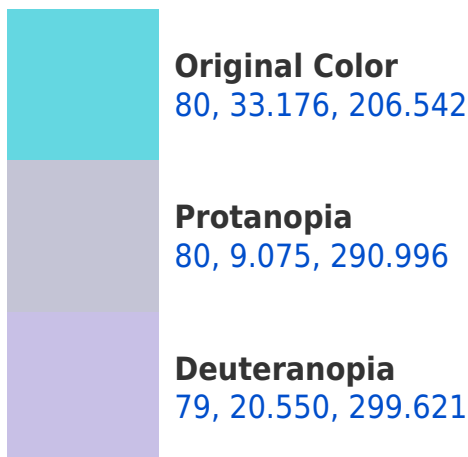


This preview shows how white text looks on a background with the CIELCh color 80, 33.176, 206.542.

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
80, 32.627, 213.633

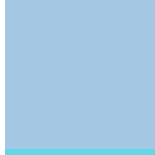
Trichromacy



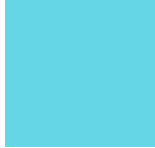
Original Color
80, 33.176, 206.542



Protanomaly
79, 15.657, 227.209



Deuteranomaly
79, 18.676, 252.457

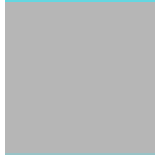


Tritanomaly
80, 32.758, 211.575

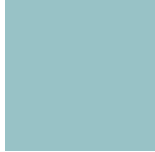
Monochromacy



Original Color
80, 33.176, 206.542



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 14.519, 206.952

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 33.176, 206.542 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(100, 215, 225)` looks like.

```
.text, #text, p{  
    color:rgb(100, 215, 225)  
}
```

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(100, 215, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 215, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 33.176, 206.542 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(100, 215, 225) }
```

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

```
.border{ border-color:rgb(100, 215, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 215, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 215, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 215, 225);  
box-shadow:4px 4px 4px 4px rgb(100, 215,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 33.176, 206.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 215, 225) }
```

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

```
.background{ background-color: rgb(100,  
215, 225) }
```

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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