

Converting Colors

CIELCh(80, 31.426, 213.306)

Have a look what the booklet for
CIELCh(80, 31.426, 213.306)
contains.

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Color

CIELCh(80, 31.592, 212.183)

Conversions

Conversions Part 1

Format	Color
Hex	6BD6E5
RGB	107, 214, 229
RGB Percent	42%, 84%, 90%
CMY	0.5817, 0.1620, 0.1032
CMYK	0.53, 0.07, 0.00, 0.10
HSL	187°, 70%, 66%
HSV	187°, 53%, 90%
XYZ	44.0907, 56.6813, 82.5171
YIQ	183.7170, -68.5870, -18.0190

Conversions

Conversions Part 2

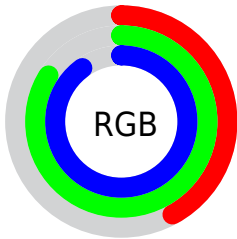
Format	Color
R _{YB}	107, 164, 229
Decimal	7067365
CIE _{Lab}	80.00, -26.74, -16.83
CIE _{LCh}	80, 31.592, 212.183
Yxy	56.6813, 0.2406, 0.3092
Android (android.graphics.Color)	4285257445 (0xFF6BD6E5)
YUV	183.7170, 22.3245, -67.2808
Hunter-Lab	75.2870, -27.2163, -12.2830

Details

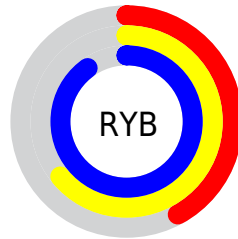
The CIELCh color **80, 31.592, 212.183** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 48.171, 33.993**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.559, 197.719**, and **60, 31.637, 212.630** is the 20% darker color. If you saturate the color by 10%, you get **78, 35.167, 213.048**, and if you desaturate by 10%, it is **82, 27.124, 211.579**.

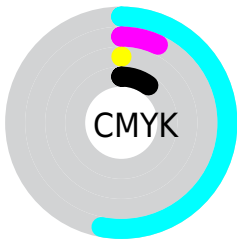
Distribution



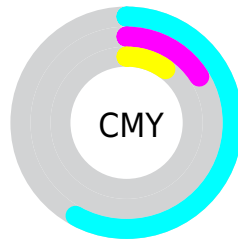
- Red (42%)
- Green (84%)
- Blue (90%)



- Red (42%)
- Yellow (64%)
- Blue (90%)



- Cyan (53%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)





- Cyan (58%)
- Magenta (16%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 31.592, 212.183 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, 31.592, 212.183 by changing the saturation by 10% instead.


 80, 31.592,
212.183


 80, 31.592,
212.183


 100, 31.592,
212.183


 70, 31.592,
212.183


 60, 31.592,
212.183

 50, 31.592,
212.183

 40, 31.592,
212.183

 30, 31.592,
212.183

 20, 31.592,
212.183

 10, 31.592,

212.183

0, 31.592, 212.183

80, 31.592,
212.183

80, 31.592,
212.183

78, 35.167,
213.048

82, 27.124,
211.579

77, 37.794,
214.232

84, 21.858,
211.196

76, 39.473,
215.783

86, 15.907,
210.993

75, 40.280,
217.747

88, 9.391, 210.947

74, 40.480,
219.246

90, 2.422, 211.173

92, 4.895, 30.918

■ 94, 8.218, 36.772

■ 95, 7.835, 48.972

■ 95, 7.837, 61.757

Harmonies

Complementary

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



80, 31.592, 212.183



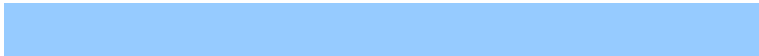
63, 48.171, 33.993

Rectangle

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



80, 31.592, 212.183



80, 31.592, 262.183



80, 31.592, 32.183



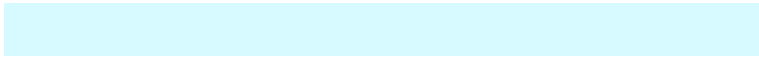
80, 31.592, 82.183

Sweetspot

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



80, 31.592, 212.181



96, 12.189, 210.944



82, 70.246, 143.044



51, 8.177, 210.950



0, 0.000, 0.000



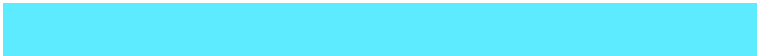
53, 0.007, 296.813

Same Dimension

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



80, 31.592, 212.181



86, 38.526, 213.155



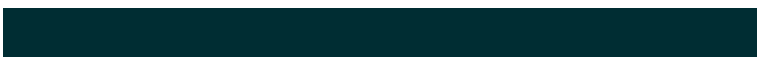
63, 43.242, 277.316



47, 4.048, 210.976



59, 33.665, 218.829



16, 14.292, 214.940

Inverse Universe

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



63, 69.351, 331.180



66, 87.420, 331.827



77, 45.126, 79.672



45, 7.633, 328.508



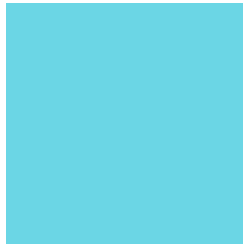
41, 80.328, 333.802



8, 34.209, 332.844

Previews

White Background



This preview shows how the CIELCh color 80, 31.592, 212.183 looks on a white background.

Color Contrast Check

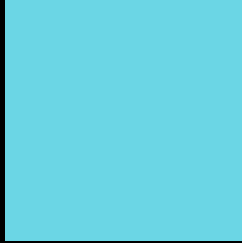
Large Text (above 18pt) WCAG AA × Fail

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, 31.592, 212.183 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, 31.592, 212.183

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.592, 212.183.

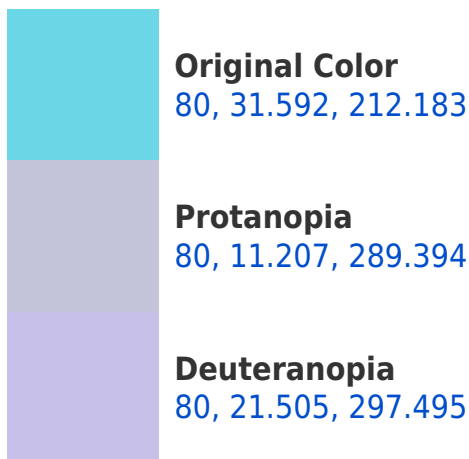



This preview shows how white text looks on a background with the CIELCh color 80, 31.592, 212.183.

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, 31.508, 215.348

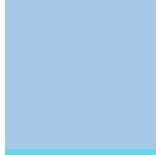
Trichromacy



Original Color
80, 31.592, 212.183



Protanomaly
79, 16.152, 237.805



Deuteranomaly
79, 19.465, 254.626

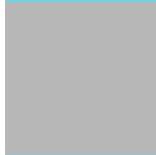


Tritanomaly
80, 31.455, 214.337

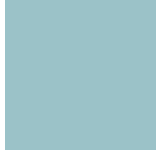
Monochromacy



Original Color
80, 31.592, 212.183



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 13.684, 212.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.592, 212.183 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(107, 214, 229)` looks like.

```
.text, #text, p{  
    color:rgb(107, 214, 229)  
}
```

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(107, 214, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 214, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.592, 212.183 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(107, 214, 229) }
```

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

```
.border{ border-color:rgb(107, 214, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 214, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 214, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 214, 229);  
box-shadow:4px 4px 4px 4px rgb(107, 214,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.592, 212.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 214, 229) }
```

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

```
.background{ background-color: rgb(107,  
214, 229) }
```

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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