

Converting Colors

CIELCh(80, 29.272, 204.565)

Have a look what the booklet for
CIELCh(80, 29.272, 204.565)
contains.

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Color

CIELCh(80, 29.212, 204.832)

Conversions

Conversions Part 1

Format	Color
Hex	75D5DC
RGB	117, 213, 220
RGB Percent	46%, 84%, 86%
CMY	0.5402, 0.1638, 0.1364
CMYK	0.47, 0.03, 0.00, 0.14
HSL	184°, 60%, 66%
HSV	184°, 47%, 86%
XYZ	44.1682, 56.6813, 76.4814
YIQ	185.0940, -59.4630, -18.1750

Conversions

Conversions Part 2

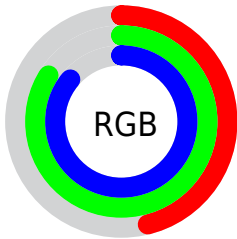
Format	Color
RYB	117, 167, 220
Decimal	7722460
CIELab	80.00, -26.51, -12.27
CIELCh	80, 29.212, 204.832
Yxy	56.6813, 0.2491, 0.3196
Android (android.graphics.Color)	4285912540 (0xFF75D5DC)
YUV	185.0940, 17.2087, -59.7184
Hunter-Lab	75.2870, -27.0325, -7.5298

Details

The CIELCh color **80, 29.212, 204.832** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 41.634, 29.077**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.386, 197.852**, and **60, 29.271, 204.803** is the 20% darker color. If you saturate the color by 10%, you get **79, 33.446, 205.026**, and if you desaturate by 10%, it is **81, 24.130, 204.782**.

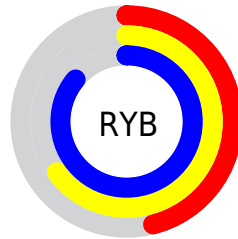
Distribution



Red (46%)

Green (84%)

Blue (86%)



Red (46%)

Yellow (65%)

Blue (86%)

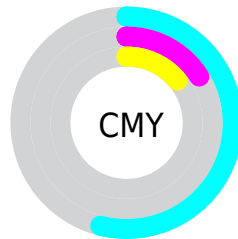


Cyan (47%)

Magenta (3%)

Yellow (0%)

Black (14%)



Cyan (54%)


Magenta (16%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 29.212, 204.832 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, 29.212, 204.832 by changing the saturation by 10% instead.


 80, 29.212,
204.832


 80, 29.212,
204.832


 100, 29.212,
204.832


 70, 29.212,
204.832

 60, 29.212,
204.832

 50, 29.212,
204.832

 40, 29.212,
204.832

 30, 29.212,
204.832

 20, 29.212,
204.832

 10, 29.212,

204.832

0, 29.212, 204.832

80, 29.212,
204.832

80, 29.212,
204.832

79, 33.446,
205.026

81, 24.130,
204.782

78, 36.750,
205.395

83, 18.307,
204.861

77, 39.087,
205.960

85, 11.865,
205.051

76, 40.476,
206.743

86, 4.922, 205.377

76, 41.020,
207.756

89, 2.408, 25.327

91, 10.027, 25.885

■ 75, 41.106,
208.110

■ 92, 11.674, 28.950

■ 92, 11.281, 33.174

■ 92, 10.955, 37.675

Harmonies

Complementary

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



80, 29.212, 204.832



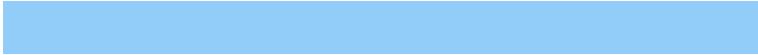
63, 41.634, 29.077

Rectangle

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



80, 29.212, 204.832



80, 29.212, 254.832



80, 29.212, 24.832



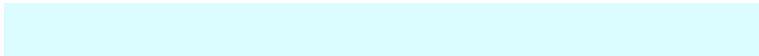
80, 29.212, 74.832

Sweetspot

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



80, 29.212, 204.830



97, 11.248, 205.120



80, 62.473, 142.439



51, 7.715, 205.063



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, 29.212, 204.830



90, 37.233, 205.018



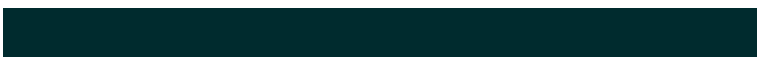
66, 34.275, 270.971



45, 4.089, 205.268



61, 34.428, 207.906



15, 14.006, 205.762

Inverse Universe

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



64, 62.130, 328.949



69, 81.774, 329.446



74, 37.075, 76.056



43, 7.639, 326.833



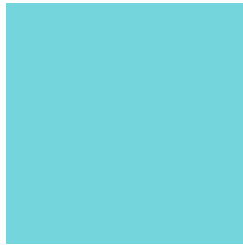
40, 82.077, 331.120



7, 32.959, 330.521

Previews

White Background



This preview shows how the CIE LCh color 80, 29.212, 204.832 looks on a white background.

Color Contrast Check

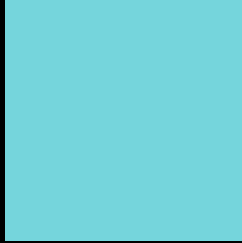
Large Text (above 18pt) WCAG AA × Fail

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, 29.212, 204.832 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, 29.212, 204.832

Background



This preview shows how black text looks on a background with the CIELCh color 80, 29.212, 204.832.

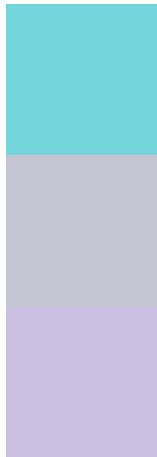


This preview shows how white text looks on a background with the CIELCh color 80, 29.212, 204.832.

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

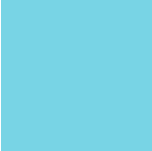
80, 29.212, 204.832

Protanopia

80, 7.489, 293.582

Deuteranopia

80, 18.110, 303.899



Tritanopia
80, 28.529, 216.316

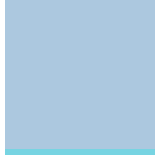
Trichromacy



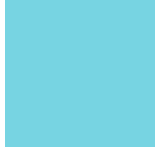
Original Color
80, 29.212, 204.832



Protanomaly
79, 13.037, 228.263



Deuteranomaly
79, 15.200, 253.162

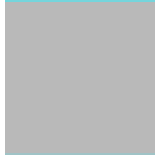


Tritanomaly
80, 28.573, 212.850

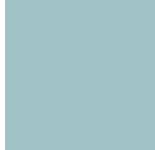
Monochromacy



Original Color
80, 29.212, 204.832



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 12.244, 206.144

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 29.212, 204.832 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(117, 213, 220)` looks like.

```
.text, #text, p{  
    color:rgb(117, 213, 220)  
}
```

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(117, 213, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 213, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 29.212, 204.832 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(117, 213, 220) }
```

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

```
.border{ border-color:rgb(117, 213, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 213, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 213, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 213, 220);  
box-shadow:4px 4px 4px 4px rgb(117, 213,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 29.212, 204.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 213, 220) }
```

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

```
.background{ background-color: rgb(117,  
213, 220) }
```

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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