

Converting Colors

CIELCh(80, 26.950, 206.982)

Have a look what the booklet for
CIELCh(80, 26.950, 206.982)
contains.

CIELCh(80, 27.057, 206.729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 27.057, 206.729)

Conversions

Conversions Part 1

Format	Color
Hex	7DD4DC
RGB	125, 212, 220
RGB Percent	49%, 83%, 86%
CMY	0.5094, 0.1682, 0.1368
CMYK	0.43, 0.04, 0.00, 0.14
HSL	185°, 58%, 68%
HSV	185°, 43%, 86%
XYZ	44.9756, 56.6813, 76.3545
YIQ	186.8990, -54.4200, -15.9560

Conversions

Conversions Part 2

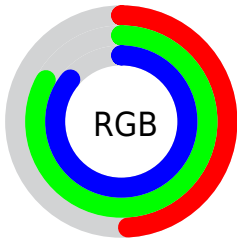
Format	Color
RYB	125, 170, 220
Decimal	8246492
CIELab	80.00, -24.17, -12.17
CIELCh	80, 27.057, 206.729
Yxy	56.6813, 0.2527, 0.3184
Android (android.graphics.Color)	4286436572 (0xFF7DD4DC)
YUV	186.8990, 16.3188, -54.2854
Hunter-Lab	75.2870, -25.1184, -7.4298

Details

The CIELCh color **80, 27.057, 206.729** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 37.426, 29.803**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.419, 197.974**, and **60, 27.067, 206.861** is the 20% darker color. If you saturate the color by 10%, you get **79, 31.538, 206.994**, and if you desaturate by 10%, it is **82, 21.776, 206.620**.

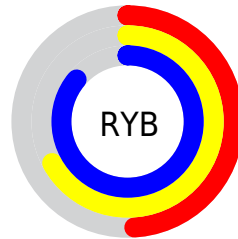
Distribution



Red (49%)

Green (83%)

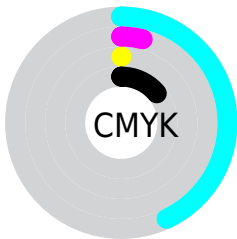
Blue (86%)



Red (49%)

Yellow (67%)

Blue (86%)

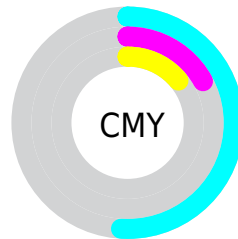


Cyan (43%)

Magenta (4%)

Yellow (0%)

Black (14%)



Cyan (51%)


Magenta (17%)


Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 27.057, 206.729 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, 27.057, 206.729 by changing the saturation by 10% instead.


 80, 27.057,
206.729


 80, 27.057,
206.729


 100, 27.057,
206.729


 70, 27.057,
206.729

 60, 27.057,
206.729

 50, 27.057,
206.729

 40, 27.057,
206.729

 30, 27.057,
206.729

 20, 27.057,
206.729

 10, 27.057,

206.729

0, 27.057, 206.729

80, 27.057,
206.729

80, 27.057,
206.729

79, 31.538,
206.994

82, 21.776,
206.620

77, 35.126,
207.454

83, 15.807,
206.651

76, 37.765,
208.136

85, 9.272, 206.804

76, 39.451,
209.072

87, 2.284, 207.214

89, 5.049, 27.112

75, 40.251,
210.287

91, 11.824, 27.961

■ 74, 40.435,
211.253

■ 92, 11.327, 33.126

■ 92, 10.932, 38.713

■ 93, 10.650, 44.653

Harmonies

Complementary

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



80, 27.057, 206.729



65, 37.426, 29.803

Rectangle

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



80, 27.057, 206.729



80, 27.057, 256.729



80, 27.057, 26.729



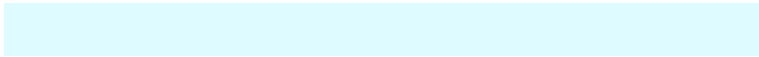
80, 27.057, 76.729

Sweetspot

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



80, 27.057, 206.726



97, 10.322, 206.805



80, 57.246, 143.301



51, 7.176, 206.760



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, 27.057, 206.726



90, 34.912, 206.969



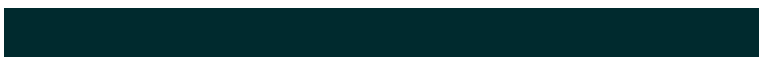
67, 32.307, 271.615



45, 4.029, 206.899



60, 33.883, 210.989



15, 13.802, 208.233

Inverse Universe

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



66, 57.052, 329.274



71, 75.984, 329.780



76, 34.325, 78.125



43, 7.553, 327.314



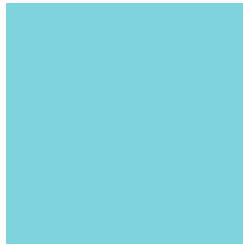
40, 81.042, 331.876



7, 32.584, 331.128

Previews

White Background



This preview shows how the CIELCh color 80, 27.057, 206.729 looks on a white background.

Color Contrast Check

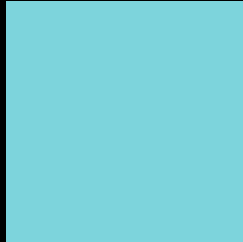
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 27.057, 206.729 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, 27.057, 206.729

Background



This preview shows how black text looks on a background with the CIELCh color 80, 27.057, 206.729.



This preview shows how white text looks on a background with the CIELCh color 80, 27.057, 206.729.

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, 26.731, 217.744

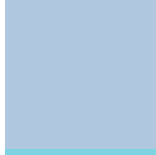
Trichromacy



Original Color
80, 27.057, 206.729



Protanomaly
79, 12.205, 230.550



Deuteranomaly
79, 14.926, 258.570

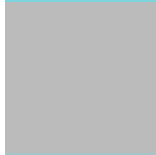


Tritanomaly
80, 26.734, 214.050

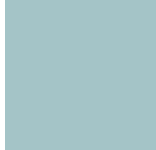
Monochromacy



Original Color
80, 27.057, 206.729



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 11.255, 206.884

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 27.057, 206.729 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(125, 212, 220)` looks like.

```
.text, #text, p{  
    color:rgb(125, 212, 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(125, 212, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 212, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 27.057, 206.729 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(125, 212, 220) }
```

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

```
.border{ border-color:rgb(125, 212, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 212, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 212, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 212, 220);  
box-shadow:4px 4px 4px 4px rgb(125, 212,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 27.057, 206.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 212, 220) }
```

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

```
.background{ background-color: rgb(125,  
212, 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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