

Converting Colors

CIELCh(80, 41.271, 202.551)

Have a look what the booklet for
CIELCh(80, 41.271, 202.551)
contains.

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Color

CIELCh(80, 41.286, 202.667)

Conversions

Conversions Part 1

Format	Color
Hex	30DBE3
RGB	48, 219, 227
RGB Percent	19%, 86%, 89%
CMY	0.8099, 0.1423, 0.1109
CMYK	0.79, 0.04, 0.00, 0.11
HSL	183°, 76%, 54%
HSV	183°, 79%, 89%
XYZ	40.3216, 56.6813, 81.2796
YIQ	168.7830, -104.4840, -33.7640

Conversions

Conversions Part 2

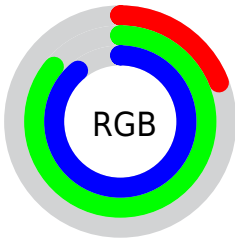
Format	Color
RYB	48, 135, 227
Decimal	3202019
CIELab	80.00, -38.10, -15.91
CIELCh	80, 41.286, 202.667
Yxy	56.6813, 0.2262, 0.3179
Android (android.graphics.Color)	4281392099 (0xFF30DBE3)
YUV	168.7830, 28.7010, -105.9267
Hunter-Lab	75.2870, -36.1525, -11.3084

Details

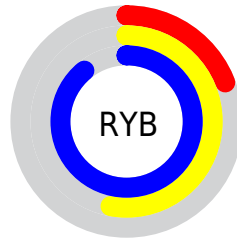
The CIELCh color **80, 41.286, 202.667** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **51, 78.313, 35.064**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **61, 34.822, 205.051** is the 20% darker color. If you saturate the color by 10%, you get **79, 42.598, 203.150**, and if you desaturate by 10%, it is **81, 39.006, 202.342**.

Distribution



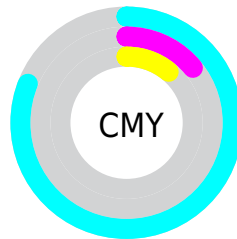
- Red (19%)
- Green (86%)
- Blue (89%)



- Red (19%)
- Yellow (53%)
- Blue (89%)



- Cyan (79%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)





- Cyan (81%)
- Magenta (14%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 41.286, 202.667 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, 41.286, 202.667 by changing the saturation by 10% instead.


 80, 41.286,
202.667


 80, 41.286,
202.667


 100, 41.286,
202.667


 70, 41.286,
202.667

 60, 41.286,
202.667

 50, 41.286,
202.667

 40, 41.286,
202.667

 30, 41.286,
202.667

 20, 41.286,
202.667

 10, 41.286,

202.667

■ 0, 41.286, 202.667

■ 80, 41.286,
202.667

■ 80, 41.286,
202.667

■ 79, 42.598,
203.150

■ 81, 39.006,
202.342

■ 79, 43.093,
203.788

■ 82, 35.724,
202.169

■ 79, 43.137,
203.881

■ 83, 31.464,
202.131

■ 84, 26.302,
202.214

■ 85, 20.343,
202.402

■ 87, 13.711,
202.685

■ 89, 6.532, 203.073

■ 90, 1.071, 22.806

■ 92, 8.991, 23.749

Harmonies

Complementary

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



80, 41.286, 202.667



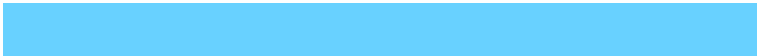
51, 78.313, 35.064

Rectangle

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



80, 41.286, 202.667



80, 41.286, 252.667



80, 41.286, 22.667



80, 41.286, 72.667

Sweetspot

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



80, 41.285, 202.666



95, 19.080, 202.517



79, 99.318, 137.802



50, 12.935, 202.423



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, 41.285, 202.666



88, 46.959, 203.518



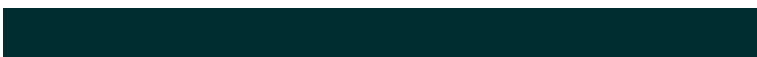
55, 55.937, 278.569



46, 4.258, 203.035



63, 35.725, 203.749



16, 14.808, 202.482

Inverse Universe

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



56, 95.310, 329.566



60, 110.672, 330.004



67, 64.887, 68.061



44, 7.909, 326.171



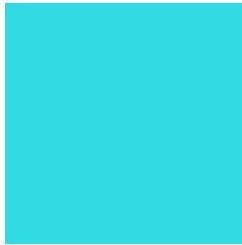
41, 84.476, 330.094



8, 34.865, 329.770

Previews

White Background



This preview shows how the CIE LCh color 80, 41.286, 202.667 looks on a white background.

Color Contrast Check

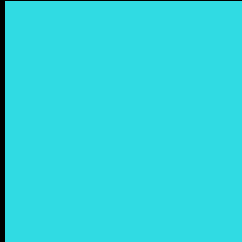
Large Text (above 18pt) WCAG AA × Fail

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, 41.286, 202.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

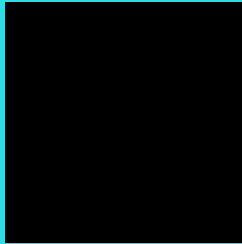
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 41.286, 202.667

Background



This preview shows how black text looks on a background with the CIELCh color 80, 41.286, 202.667.

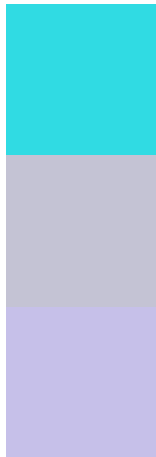


This preview shows how white text looks on a background with the CIELCh color 80, 41.286, 202.667.

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](#).

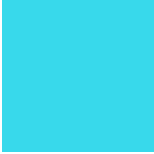
Dichromacy



Original Color
80, 41.376, 202.648

Protanopia
79, 9.095, 293.232

Deuteranopia
79, 22.056, 297.404

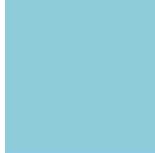


Tritanopia
80, 39.815, 210.995

Trichromacy



Original Color
80, 41.376, 202.648



Protanomaly
78, 20.900, 217.663



Deuteranomaly
78, 23.315, 240.460

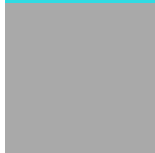


Tritanomaly
80, 40.372, 207.570

Monochromacy



Original Color
80, 41.376, 202.648



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 20.595, 202.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 41.286, 202.667 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(48, 219, 227)` looks like.

```
.text, #text, p{  
    color:rgb(48, 219, 227)  
}
```

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(48, 219, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 219, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 41.286, 202.667 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(48, 219, 227) }
```

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

```
.border{ border-color:rgb(48, 219, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 219, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 219, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 219, 227);  
box-shadow:4px 4px 4px 4px rgb(48, 219,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 41.286, 202.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 219, 227) }
```

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

```
.background{ background-color: rgb(48, 219,  
227) }
```

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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