

Converting Colors

CIELCh(81, 36.713, 172.812)

Have a look what the booklet for
CIELCh(81, 36.713, 172.812)
contains.

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Color

CIELCh(81, 36.704, 172.837)

Conversions

Conversions Part 1

Format	Color
Hex	75DBBF
RGB	117, 219, 191
RGB Percent	46%, 86%, 75%
CMY	0.5395, 0.1395, 0.2494
CMYK	0.46, 0.00, 0.13, 0.14
HSL	164°, 59%, 66%
HSV	164°, 46%, 86%
XYZ	42.2811, 58.4711, 58.5801
YIQ	185.3100, -51.8040, -30.3320

Conversions

Conversions Part 2

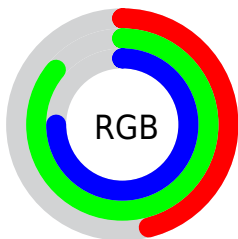
Format	Color
RYB	117, 176, 219
Decimal	7723967
CIELab	81.00, -36.42, 4.58
CIELCh	81, 36.704, 172.837
Yxy	58.4711, 0.2654, 0.3670
Android (android.graphics.Color)	4285914047 (0xFF75DBBF)
YUV	185.3100, 2.8052, -59.9079
Hunter-Lab	76.4664, -35.1168, 8.1051

Details

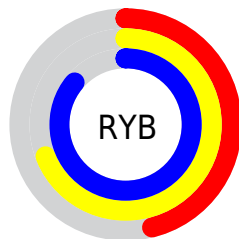
The CIELCh color **81, 36.704, 172.837** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **62, 42.834, 3.864**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.516, 188.776**, and **61, 36.385, 173.400** is the 20% darker color. If you saturate the color by 10%, you get **80, 43.134, 171.488**, and if you desaturate by 10%, it is **82, 29.586, 174.058**.

Distribution



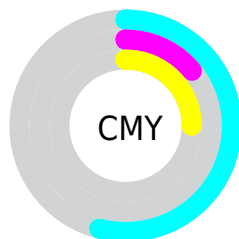
- Red (46%)
- Green (86%)
- Blue (75%)



- Red (46%)
- Yellow (69%)
- Blue (86%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (14%)





- Cyan (54%)
- Magenta (14%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 36.704, 172.837 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 81, 36.704, 172.837 by changing the saturation by 10% instead.


 81, 36.704,
172.837


 81, 36.704,
172.837


 100, 36.704,
172.837


 71, 36.704,
172.837


 61, 36.704,
172.837

 51, 36.704,
172.837

 41, 36.704,
172.837

 31, 36.704,
172.837

 21, 36.704,
172.837

 11, 36.704,

172.837

■ 1, 36.704, 172.837

■ 0, 36.704, 172.837

■ 81, 36.704,
172.837

■ 81, 36.704,
172.837

■ 80, 43.134,
171.488

■ 82, 29.586,
174.058

■ 79, 48.755,
169.991

■ 83, 21.918,
175.179

■ 79, 53.492,
168.320

■ 85, 13.844,
176.223

■ 78, 57.331,
166.456

■ 86, 5.497, 177.241

■ 78, 60.348,

■ 88, 3.003, 357.875

164.400

90, 11.560,
358.857

78, 61.310,
163.670

91, 14.782,
350.800

91, 16.476,
341.270

91, 18.553,
333.744

Harmonies

Complementary

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



81, 36.704, 172.837



62, 42.834, 3.864

Rectangle

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



81, 36.704, 172.837



81, 36.704, 222.837



81, 36.704, 352.837



81, 36.704, 42.837

Sweetspot

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



81, 36.705, 172.836



97, 13.316, 176.462



81, 59.485, 133.857



52, 9.171, 176.243



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 36.705, 172.836



92, 48.309, 171.490



75, 26.418, 224.909



45, 4.799, 176.935



63, 51.148, 164.037



16, 19.342, 168.259

Inverse Universe

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



62, 42.834, 3.864



66, 58.196, 6.079



66, 37.209, 41.190



43, 4.944, 358.578



36, 66.403, 23.069



5, 23.841, 8.229

Previews

White Background



This preview shows how the CIE LCh color 81, 36.704, 172.837 looks on a white background.

Color Contrast Check

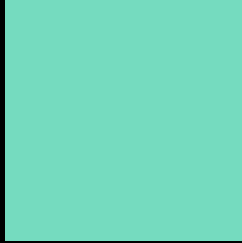
Large Text (above 18pt) WCAG AA × Fail

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 81, 36.704, 172.837 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

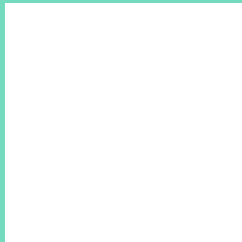
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 36.704, 172.837

Background



This preview shows how black text looks on a background with the CIELCh color 81, 36.704, 172.837.

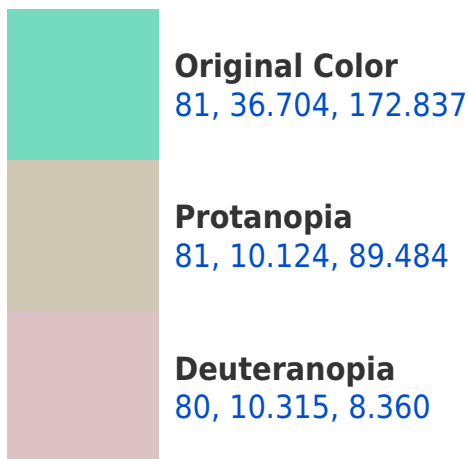


This preview shows how white text looks on a background with the CIELCh color 81, 36.704, 172.837.

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
81, 26.967, 217.506

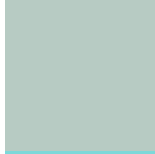
Trichromacy



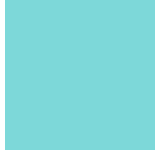
Original Color
81, 36.704, 172.837



Protanomaly
80, 16.019, 154.118



Deuteranomaly
80, 8.458, 168.588

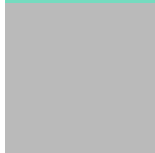


Tritanomaly
81, 28.354, 198.531

Monochromacy



Original Color
81, 36.704, 172.837



Achromatopsia
76, 0.009, 296.813



Achromatomaly
77, 14.359, 176.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 36.704, 172.837 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, 219, 191)` looks like.

```
.text, #text, p{  
    color:rgb(117, 219, 191)  
}
```

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, 219, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 219, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 36.704, 172.837 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, 219, 191) }
```

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

```
.border{ border-color:rgb(117, 219, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 219, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 219, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 219, 191);  
box-shadow:4px 4px 4px 4px rgb(117, 219,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 36.704, 172.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 219, 191) }
```

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

```
.background{ background-color: rgb(117,  
219, 191) }
```

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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