

Converting Colors

CIELCh(81, 45.471, 157.325)

Have a look what the booklet for
CIELCh(81, 45.471, 157.325)
contains.

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Color

CIELCh(81, 45.418, 157.408)

Conversions

Conversions Part 1

Format	Color
Hex	77DDA7
RGB	119, 221, 167
RGB Percent	47%, 87%, 65%
CMY	0.5330, 0.1330, 0.3448
CMYK	0.46, 0.00, 0.24, 0.13
HSL	148°, 60%, 67%
HSV	148°, 46%, 87%
XYZ	40.4747, 58.4711, 45.7454
YIQ	184.3460, -43.4580, -38.4180

Conversions

Conversions Part 2

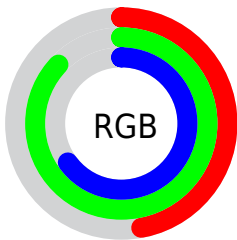
Format	Color
RYB	119, 188, 221
Decimal	7855527
CIELab	81.00, -41.93, 17.45
CIELCh	81, 45.418, 157.408
Yxy	58.4711, 0.2797, 0.4041
Android (android.graphics.Color)	4286045607 (0xFF77DDA7)
YUV	184.3460, -8.5516, -57.3084
Hunter-Lab	76.4664, -39.3338, 18.0567

Details

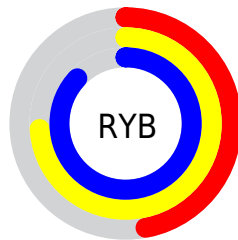
The CIELCh color **81, 45.418, 157.408** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **63, 47.433, 346.722**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.921, 165.282**, and **61, 45.283, 157.568** is the 20% darker color. If you saturate the color by 10%, you get **80, 54.205, 155.983**, and if you desaturate by 10%, it is **82, 36.055, 158.661**.

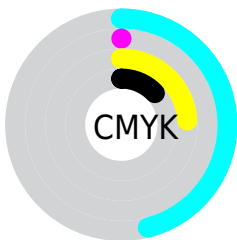
Distribution



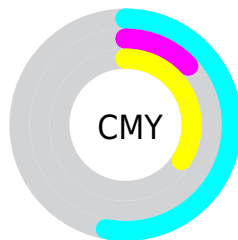
- Red (47%)
- Green (87%)
- Blue (65%)



- Red (47%)
- Yellow (74%)
- Blue (87%)



- Cyan (46%)
- Magenta (0%)
- Yellow (24%)
- Black (13%)




- Cyan (53%)
- Magenta (13%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 45.418, 157.408 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, 45.418, 157.408 by changing the saturation by 10% instead.

 81, 45.418,
157.408


 81, 45.418,
157.408


 100, 45.418,
157.408

 71, 45.418,
157.408

 61, 45.418,
157.408

 51, 45.418,
157.408

 41, 45.418,
157.408

 31, 45.418,
157.408

 21, 45.418,
157.408

 11, 45.418,

157.408

■ 1, 45.418, 157.408

■ 0, 45.418, 157.408

■ 81, 45.418,
157.408

■ 81, 45.418,
157.408

■ 80, 54.205,
155.983

■ 82, 36.055,
158.661

■ 79, 62.248,
154.364

■ 84, 26.287,
159.768

■ 79, 69.419,
152.535

■ 85, 16.282,
160.756

■ 78, 75.651,
150.494

■ 87, 6.185, 161.673

■ 78, 80.968,

■ 89, 3.885, 342.282

148.273

91, 13.835,
343.076

78, 82.864,
147.423

92, 18.794,
330.533

92, 21.232,
325.163

Harmonies

Complementary

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



81, 45.418, 157.408



63, 47.433, 346.722

Rectangle

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



81, 45.418, 157.408



81, 45.418, 207.408



81, 45.418, 337.408



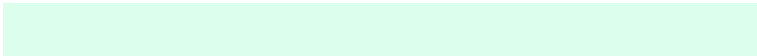
81, 45.418, 27.408

Sweetspot

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



81, 45.419, 157.407



97, 15.859, 160.945



83, 55.322, 125.708



51, 10.947, 160.742



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, 45.419, 157.407



91, 59.716, 156.089



82, 31.468, 193.936



45, 5.687, 161.372



62, 68.537, 147.828



16, 25.011, 152.582

Inverse Universe

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



63, 47.433, 346.722



67, 62.428, 348.068



62, 43.027, 21.973



43, 5.751, 342.821



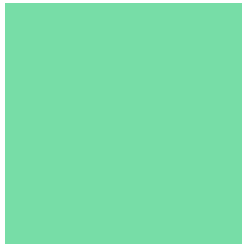
37, 63.888, 359.028



6, 25.389, 352.417

Previews

White Background



This preview shows how the CIELCh color 81, 45.418, 157.408 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, 45.418, 157.408 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, 45.418, 157.408

Background



This preview shows how black text looks on a background with the CIELCh color 81, 45.418, 157.408.

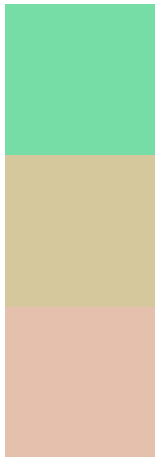


This preview shows how white text looks on a background with the CIELCh color 81, 45.418, 157.408.

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
81, 45.418, 157.408

Protanopia
81, 23.285, 95.259

Deuteranopia
80, 17.799, 54.490



Tritanopia
81, 25.328, 218.952

Trichromacy



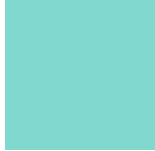
Original Color
81, 45.418, 157.408



Protanomaly
80, 27.193, 132.046



Deuteranomaly
80, 17.784, 126.113



Tritanomaly
81, 28.586, 187.682

Monochromacy



Original Color
81, 45.418, 157.408



Achromatopsia
75, 0.009, 296.813



Achromatomaly
76, 17.040, 161.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 45.418, 157.408 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(119, 221, 167)` looks like.

```
.text, #text, p{  
    color:rgb(119, 221, 167)  
}
```

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(119, 221, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 221, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 45.418, 157.408 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(119, 221, 167) }
```

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

```
.border{ border-color:rgb(119, 221, 167) }
```

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

Here you see how a box with a 4 pixel rgb(119, 221, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 221, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 221, 167);  
box-shadow:4px 4px 4px 4px rgb(119, 221,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 45.418, 157.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 221, 167) }
```

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

```
.background{ background-color: rgb(119,  
221, 167) }
```

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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