

Converting Colors

CIELCh(81, 45.881, 153.300)

Have a look what the booklet for
CIELCh(81, 45.881, 153.300)
contains.

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Color

CIELCh(81, 46.213, 153.164)

Conversions

Conversions Part 1

Format	Color
Hex	7EDDA1
RGB	126, 221, 161
RGB Percent	49%, 87%, 63%
CMY	0.5074, 0.1349, 0.3701
CMYK	0.43, 0.00, 0.27, 0.13
HSL	142°, 58%, 68%
HSV	142°, 43%, 87%
XYZ	40.7000, 58.4711, 42.6881
YIQ	185.7550, -37.3600, -38.8000

Conversions

Conversions Part 2

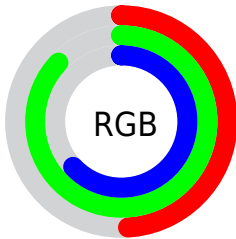
Format	Color
RYB	126, 195, 221
Decimal	8314273
CIELab	81.00, -41.24, 20.86
CIELCh	81, 46.213, 153.164
Yxy	58.4711, 0.2869, 0.4122
Android (android.graphics.Color)	4286504353 (0xFF7EDDA1)
YUV	185.7550, -12.2042, -52.4051
Hunter-Lab	76.4664, -38.8078, 20.4273

Details

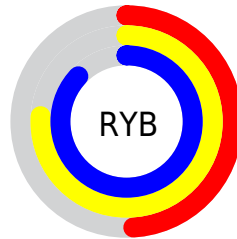
The CIELCh color **81, 46.213, 153.164** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **65, 47.166, 340.833**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.391, 159.242**, and **61, 46.107, 153.145** is the 20% darker color. If you saturate the color by 10%, you get **80, 56.103, 151.838**, and if you desaturate by 10%, it is **82, 35.807, 154.321**.

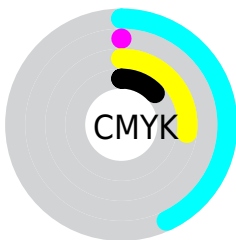
Distribution



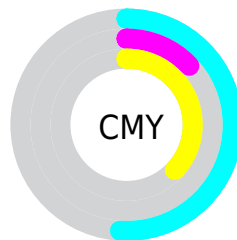
- Red (49%)
- Green (87%)
- Blue (63%)



- Red (49%)
- Yellow (76%)
- Blue (87%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)
- Black (13%)





- Cyan (51%)
- Magenta (13%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 46.213, 153.164 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, 46.213, 153.164 by changing the saturation by 10% instead.


 81, 46.213,
153.164


 81, 46.213,
153.164


 100, 46.213,
153.164


 71, 46.213,
153.164

 61, 46.213,
153.164

 51, 46.213,
153.164

 41, 46.213,
153.164

 31, 46.213,
153.164

 21, 46.213,
153.164

 11, 46.213,

153.164

■ 1, 46.213, 153.164

■ 0, 46.213, 153.164

■ 81, 46.213,
153.164

■ 81, 46.213,
153.164

■ 80, 56.103,
151.838

■ 82, 35.807,
154.321

■ 79, 65.275,
150.323

■ 84, 25.075,
155.333

■ 78, 73.556,
148.607

■ 85, 14.193,
156.228

■ 78, 80.817,
146.697

■ 87, 3.306, 157.096

■ 77, 87.002,

■ 89, 7.471, 337.618

144.629

91, 17.291,
335.784

77, 90.744,
143.185

92, 21.527,
325.174

Harmonies

Complementary

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



81, 46.213, 153.164



65, 47.166, 340.833

Rectangle

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



81, 46.213, 153.164



81, 46.213, 203.164



81, 46.213, 333.164



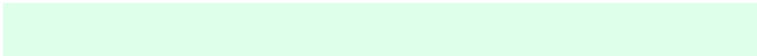
81, 46.213, 23.164

Sweetspot

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



81, 46.214, 153.164



97, 15.889, 156.224



84, 50.494, 122.026



51, 11.124, 156.033



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, 46.214, 153.164



91, 61.908, 151.928



82, 31.260, 184.744



45, 6.132, 156.532



62, 75.183, 143.559



15, 27.309, 148.261

Inverse Universe

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



65, 47.166, 340.833



69, 63.024, 341.858



63, 39.215, 13.860



43, 6.175, 337.854



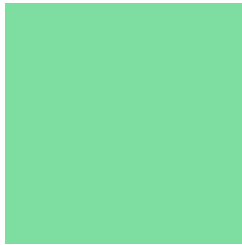
38, 66.498, 350.109



6, 26.828, 345.391

Previews

White Background



This preview shows how the CIE LCh color 81, 46.213, 153.164 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, 46.213, 153.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

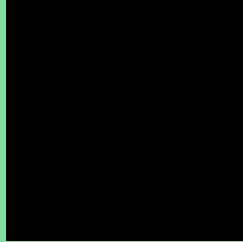
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 46.213, 153.164

Background



This preview shows how black text looks on a background with the CIELCh color 81, 46.213, 153.164.



This preview shows how white text looks on a background with the CIELCh color 81, 46.213, 153.164.

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, 46.213, 153.164

Protanopia
81, 26.447, 95.529

Deuteranopia
80, 20.554, 60.033

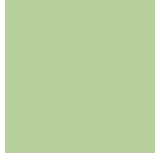


Tritanopia
81, 23.636, 220.655

Trichromacy



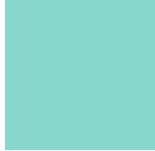
Original Color
81, 46.213, 153.164



Protanomaly
80, 29.049, 127.225



Deuteranomaly
80, 19.872, 118.498



Tritanomaly
81, 27.096, 184.935

Monochromacy



Original Color
81, 46.213, 153.164



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 17.571, 155.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 46.213, 153.164 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(126, 221, 161)` looks like.

```
.text, #text, p{  
    color:rgb(126, 221, 161)  
}
```

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(126, 221, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 221, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 46.213, 153.164 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(126, 221, 161) }
```

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

```
.border{ border-color:rgb(126, 221, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 221, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 221, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 221, 161);  
box-shadow:4px 4px 4px 4px rgb(126, 221,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 46.213, 153.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 221, 161) }
```

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

```
.background{ background-color: rgb(126,  
221, 161) }
```

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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