

Converting Colors

CIELCh(81, 12.212, 246.047)

Have a look what the booklet for
CIELCh(81, 12.212, 246.047)
contains.

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Color

CIELCh(81, 12.441, 245.734)

Conversions

Conversions Part 1

Format	Color
Hex	B3CDDE
RGB	179, 205, 222
RGB Percent	70%, 80%, 87%
CMY	0.2983, 0.1964, 0.1297
CMYK	0.19, 0.08, 0.00, 0.13
HSL	204°, 39%, 79%
HSV	204°, 19%, 87%
XYZ	53.5610, 58.4711, 77.5161
YIQ	199.1640, -20.9530, -0.2250

Conversions

Conversions Part 2

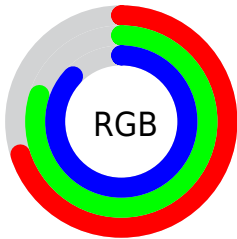
Format	Color
RYB	179, 195, 222
Decimal	11783646
CIELab	81.00, -5.11, -11.34
CIElCh	81, 12.441, 245.734
Yxy	58.4711, 0.2826, 0.3085
Android (android.graphics.Color)	4289973726 (0xFFB3CDDE)
YUV	199.1640, 11.2581, -17.6838
Hunter-Lab	76.4664, -8.7856, -6.5774

Details

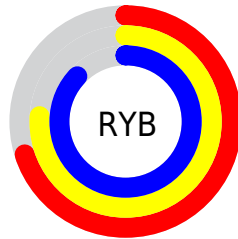
The CIELCh color `81, 12.441, 245.734` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81, 13.544, 61.357`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 6.851, 199.068`, and `61, 12.376, 245.794` is the 20% darker color. If you saturate the color by 10%, you get `77, 18.531, 247.339`, and if you desaturate by 10%, it is `85, 6.111, 244.435`.

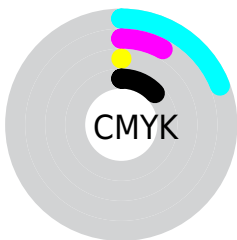
Distribution



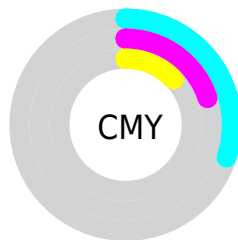
- Red (70%)
- Green (80%)
- Blue (87%)



- Red (70%)
- Yellow (76%)
- Blue (87%)



- Cyan (19%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)





- Cyan (30%)
- Magenta (20%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 12.441, 245.734 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, 12.441, 245.734 by changing the saturation by 10% instead.


 81, 12.441,
245.734


 81, 12.441,
245.734


 100, 12.441,
245.734


 71, 12.441,
245.734


 61, 12.441,
245.734

 51, 12.441,
245.734

 41, 12.441,
245.734

 31, 12.441,
245.734

 21, 12.441,
245.734

 11, 12.441,

245.734

■ 1, 12.441, 245.734

■ 0, 12.441, 245.734

■ 81, 12.441,
245.734

■ 81, 12.441,
245.734

■ 77, 18.531,
247.339

■ 85, 6.111, 244.435

■ 89, 0.406, 62.069

■ 74, 24.331,
249.320

■ 93, 7.064, 62.282

■ 70, 29.796,
251.741

■ 96, 10.753, 78.647

■ 67, 34.902,
254.682

■ 98, 13.830, 99.641

■ 99, 16.729,
108.913

■ 63, 39.659,

258.206

■ 60, 44.130,
262.338

■ 57, 48.437,
267.030

■ 55, 52.770,
272.046

■ 54, 53.051,
272.349

Harmonies

Complementary

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



81, 12.441, 245.734



81, 13.544, 61.357

Rectangle

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



81, 12.441, 245.734



81, 12.441, 295.734



81, 12.441, 65.734



81, 12.441, 115.734

Sweetspot

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



81, 12.440, 245.726



97, 4.399, 244.089



85, 20.939, 156.320



52, 2.915, 244.152



0, 0.000, 0.000



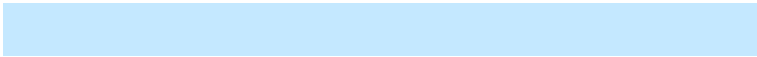
53, 0.007, 296.813

Same Dimension

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



81, 12.440, 245.726



90, 16.425, 246.301



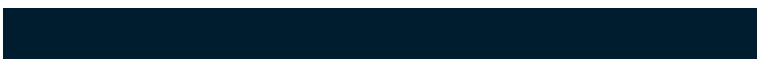
76, 20.526, 287.351



45, 3.735, 244.443



44, 44.061, 271.495



10, 16.012, 261.469

Inverse Universe

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



77, 21.046, 339.915



85, 28.019, 340.247



86, 19.863, 102.903



44, 6.176, 339.086



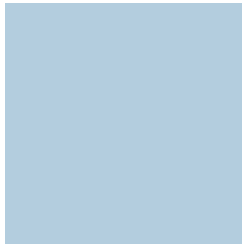
38, 66.342, 352.372



7, 27.764, 347.279

Previews

White Background



This preview shows how the CIE LCh color 81, 12.441, 245.734 looks on a white background.

Color Contrast Check

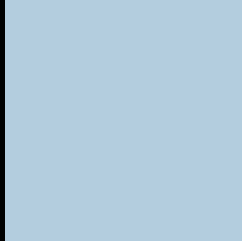
Large Text (above 18pt) WCAG AA × Fail

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, 12.441, 245.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

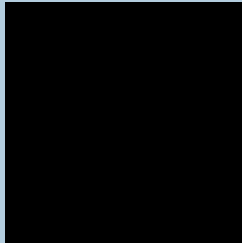
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

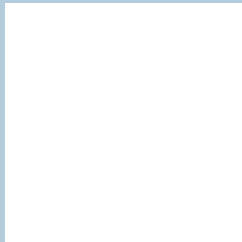
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 12.441, 245.734

Background



This preview shows how black text looks on a background with the CIELCh color 81, 12.441, 245.734.



This preview shows how white text looks on a background with the CIELCh color 81, 12.441, 245.734.

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](#).

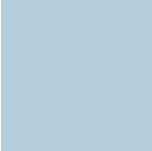
Dichromacy



Original Color
81, 12.441, 245.734

Protanopia
81, 10.112, 291.077

Deuteranopia
81, 16.391, 310.241



Tritanopia
81, 12.089, 243.843

Trichromacy



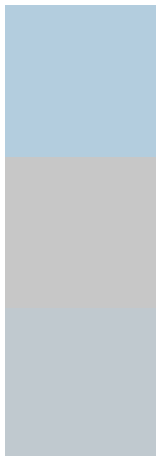
Original Color
81, 12.441, 245.734

Protanomaly
81, 10.004, 272.800

Deuteranomaly
81, 12.770, 291.307

Tritanomaly
81, 12.089, 243.843

Monochromacy



Original Color
81, 12.441, 245.734

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 4.486, 244.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 12.441, 245.734 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(179, 205, 222)` looks like.

```
.text, #text, p{  
    color:rgb(179, 205, 222)  
}
```

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(179, 205, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 205, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 12.441, 245.734 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(179, 205, 222) }
```

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

```
.border{ border-color:rgb(179, 205, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 205, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 205, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 205, 222);  
box-shadow:4px 4px 4px 4px rgb(179, 205,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 12.441, 245.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 205, 222) }
```

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

```
.background{ background-color: rgb(179,  
205, 222) }
```

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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