

Converting Colors

CIELCh(84, 12.311, 249.632)

Have a look what the booklet for
CIELCh(84, 12.311, 249.632)
contains.

CIELCh(84, 12.310, 249.705)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(84, 12.310, 249.705)

Conversions

Conversions Part 1

Format	Color
Hex	BDD5E7
RGB	189, 213, 231
RGB Percent	74%, 84%, 91%
CMY	0.2594, 0.1653, 0.0948
CMYK	0.18, 0.08, 0.00, 0.09
HSL	206°, 46%, 82%
HSV	206°, 18%, 91%
XYZ	59.1009, 64.0658, 84.7300
YIQ	207.8760, -20.0820, 0.5100

Conversions

Conversions Part 2

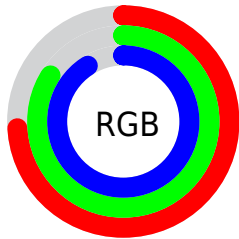
Format	Color
R_{YB}	189, 204, 231
Decimal	12441063
CIE _{Lab}	84.00, -4.27, -11.55
CIE _{LCh}	84, 12.310, 249.705
Yxy	64.0658, 0.2843, 0.3082
Android (android.graphics.Color)	4290631143 (0xFFBDD5E7)
YUV	207.8760, 11.4001, -16.5543
Hunter-Lab	80.0411, -8.2708, -6.7345

Details

The CIELCh color `84, 12.310, 249.705` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 13.195, 65.275`, and the grayscale version is `83, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.114, 199.421`, and `64, 12.250, 249.936` is the 20% darker color. If you saturate the color by 10%, you get `80, 18.813, 251.368`, and if you desaturate by 10%, it is `88, 5.609, 248.349`.

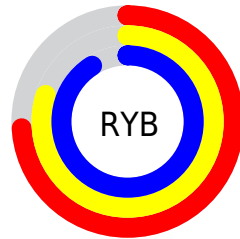
Distribution



Red (74%)

Green (84%)

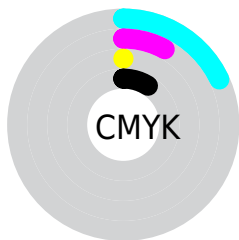
Blue (91%)



Red (74%)

Yellow (80%)

Blue (91%)

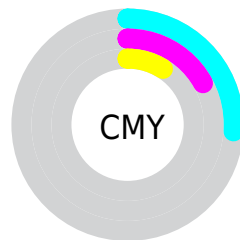


Cyan (18%)

Magenta (8%)

Yellow (0%)

Black (9%)



Cyan (26%)


Magenta (17%)


Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 12.310, 249.705 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 84, 12.310, 249.705 by changing the saturation by 10% instead.


 84, 12.310,
249.705


 84, 12.310,
249.705


 100, 12.310,
249.705


 74, 12.310,
249.705

 64, 12.310,
249.705

 54, 12.310,
249.705

 44, 12.310,
249.705

 34, 12.310,
249.705

 24, 12.310,
249.705

 14, 12.310,

249.705

■ 4, 12.310, 249.705

■ 0, 12.310, 249.705

■ 84, 12.310,
249.705

■ 84, 12.310,
249.705

■ 80, 18.813,
251.368

■ 88, 5.609, 248.349

■ 92, 1.241, 66.726

■ 76, 25.077,
253.402

■ 96, 7.464, 72.392

■ 72, 31.064,
255.867

■ 99, 10.971,
104.435

■ 68, 36.757,
258.834

■ 99, 12.230,
109.253

■ 65, 42.171,

262.360

■ 61, 47.374,
266.461

■ 58, 52.484,
271.075

■ 55, 57.669,
276.003

■ 54, 58.639,
276.863

Harmonies

Complementary

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



84, 12.310, 249.705



85, 13.195, 65.275

Rectangle

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



84, 12.310, 249.705



84, 12.310, 299.705



84, 12.310, 69.705



84, 12.310, 119.705

Sweetspot

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



84, 12.309, 249.697



98, 3.726, 248.011



88, 19.793, 157.941



52, 2.540, 248.080



0, 0.000, 0.000



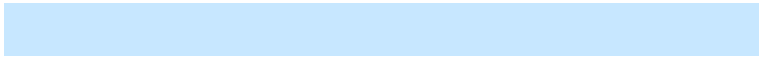
53, 0.007, 296.813

Same Dimension

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



84, 12.309, 249.697



90, 16.055, 250.314



79, 20.607, 288.752



46, 3.865, 248.500



42, 47.671, 275.969



10, 17.536, 266.690

Inverse Universe

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



81, 19.934, 341.448



86, 26.200, 341.804



90, 19.910, 104.700



45, 6.146, 340.688



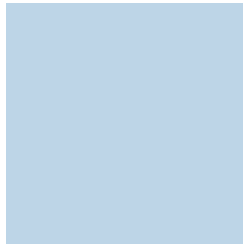
39, 66.124, 355.301



7, 28.450, 349.729

Previews

White Background



This preview shows how the CIE LCh color 84, 12.310, 249.705 looks on a white background.

Color Contrast Check

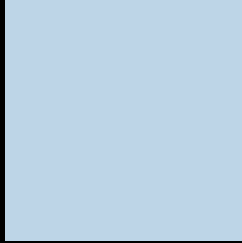
Large Text (above 18pt) WCAG AA × Fail

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 84, 12.310, 249.705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

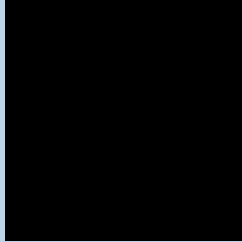
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

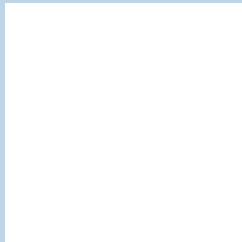
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 12.310, 249.705

Background



This preview shows how black text looks on a background with the CIELCh color 84, 12.310, 249.705.



This preview shows how white text looks on a background with the CIELCh color 84, 12.310, 249.705.

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
84, 12.310, 249.705

Protanopia
84, 10.557, 289.199

Deuteranopia
84, 16.259, 310.219



Tritanopia
84, 11.933, 247.935

Trichromacy



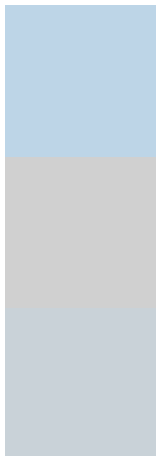
Original Color
84, 12.310, 249.705

Protanomaly
84, 10.523, 271.934

Deuteranomaly
84, 13.214, 292.807

Tritanomaly
84, 11.933, 247.935

Monochromacy



Original Color
84, 12.310, 249.705

Achromatopsia
83, 0.010, 296.813

Achromatomaly
84, 4.453, 244.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 12.310, 249.705 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(189, 213, 231)` looks like.

```
.text, #text, p{  
    color:rgb(189, 213, 231)  
}
```

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(189, 213, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 213, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 12.310, 249.705 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(189, 213, 231) }
```

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

```
.border{ border-color:rgb(189, 213, 231) }
```

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

Here you see how a box with a 4 pixel rgb(189, 213, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 213, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 213, 231);  
box-shadow:4px 4px 4px 4px rgb(189, 213,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 12.310, 249.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 213, 231) }
```

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

```
.background{ background-color: rgb(189,  
213, 231) }
```

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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