

Converting Colors

CIELCh(83, 3.601, 233.645)

Have a look what the booklet for
CIELCh(83, 3.601, 233.645) contains.

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Color

CIELCh(83, 3.523, 236.321)

Conversions

Conversions Part 1

Format	Color
Hex	C8D0D4
RGB	200, 208, 212
RGB Percent	78%, 82%, 83%
CMY	0.2156, 0.1842, 0.1685
CMYK	0.06, 0.02, 0.00, 0.17
HSL	200°, 12%, 81%
HSV	200°, 6%, 83%
XYZ	58.2762, 62.1629, 71.2327
YIQ	206.0640, -6.0520, -0.4520

Conversions

Conversions Part 2

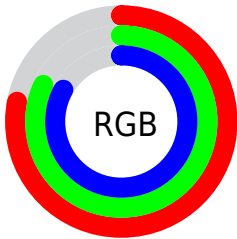
Format	Color
RYB	200, 205, 212
Decimal	13160660
CIELab	83.00, -1.95, -2.93
CIELCh	83, 3.523, 236.321
Yxy	62.1629, 0.3040, 0.3243
Android (android.graphics.Color)	4291350740 (0xFFC8D0D4)
YUV	206.0640, 2.9264, -5.3181
Hunter-Lab	78.8435, -6.0399, 1.6237

Details

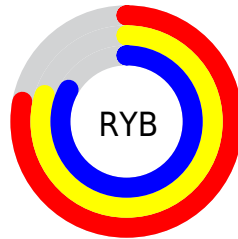
The CIELCh color $83, 3.523, 236.321$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83, 3.615, 55.076$, and the grayscale version is $83, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $63, 3.417, 228.732$ is the 20% darker color. If you saturate the color by 10%, you get $80, 9.559, 237.208$, and if you desaturate by 10%, it is $86, 2.734, 55.142$.

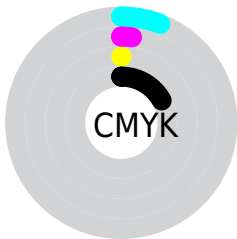
Distribution



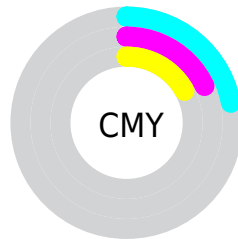
- Red (78%)
- Green (82%)
- Blue (83%)



- Red (78%)
- Yellow (80%)
- Blue (83%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (17%)



- Cyan (22%)
- Magenta (18%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 3.523, 236.321 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 83, 3.523, 236.321 by changing the saturation by 10% instead.

■ 83, 3.523, 236.321

■ 83, 3.523, 236.321

■ 100, 3.523,
236.321

■ 73, 3.523, 236.321

■ 63, 3.523, 236.321

■ 53, 3.523, 236.321

■ 43, 3.523, 236.321

■ 33, 3.523, 236.321

■ 23, 3.523, 236.321

■ 13, 3.523, 236.321

■ 3, 3.523, 236.321

■ 0, 3.523, 236.321

83, 3.523, 236.321

83, 3.523, 236.321

80, 9.559, 237.208

86, 2.734, 55.142

76, 15.315,
238.454

90, 9.158, 54.617

73, 20.723,
240.026

93, 13.097, 62.134

94, 14.261, 79.853

70, 25.720,
241.995

96, 16.539, 93.695

67, 30.254,
244.444

98, 19.527,
103.659

64, 34.299,
247.461

99, 21.710,
108.533

62, 37.873,
251.118

59, 41.058,
255.442

■ 57, 44.008,
260.367

Harmonies

Complementary

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



83, 3.523, 236.321



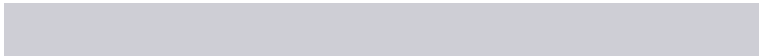
83, 3.615, 55.076

Rectangle

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



83, 3.523, 236.321



83, 3.523, 286.321



83, 3.523, 56.321



83, 3.523, 106.321

Sweetspot

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



83, 3.523, 236.286



99, 1.458, 236.226



84, 6.167, 154.632



53, 0.829, 236.239



0, 0.000, 0.000



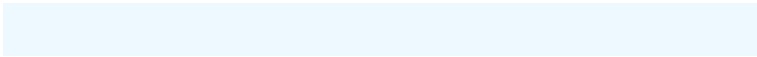
53, 0.007, 296.813

Same Dimension

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



83, 3.523, 236.286



97, 5.047, 236.388



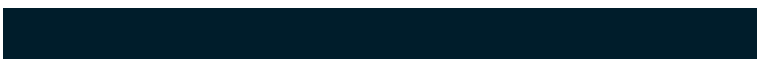
82, 5.252, 282.063



44, 2.839, 236.425



46, 38.231, 261.698



9, 13.631, 250.464

Inverse Universe

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



82, 6.124, 335.989



95, 8.808, 336.102



84, 5.200, 100.729



43, 4.961, 336.138



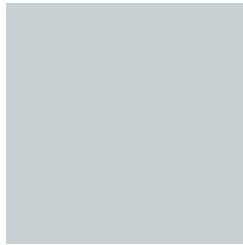
38, 67.086, 347.246



6, 25.872, 343.042

Previews

White Background



This preview shows how the CIELCh color 83, 3.523, 236.321 looks on a white background.

Color Contrast Check

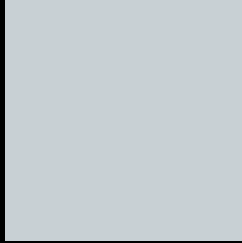
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 83, 3.523, 236.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

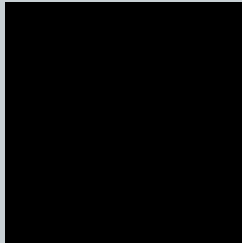
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

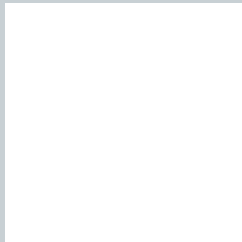
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 3.523, 236.321

Background



This preview shows how black text looks on a background with the CIELCh color 83, 3.523, 236.321.

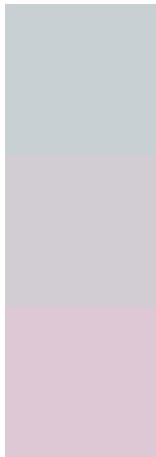


This preview shows how white text looks on a background with the CIELCh color 83, 3.523, 236.321.

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

83, 3.523, 236.321

Protanopia

83, 3.510, 314.735

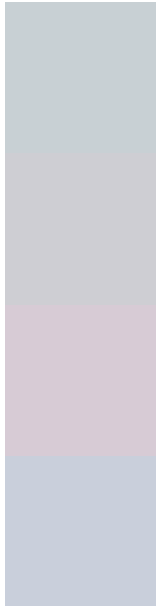
Deuteranopia

83, 11.201, 338.970



Tritanopia
83, 9.075, 282.107

Trichromacy



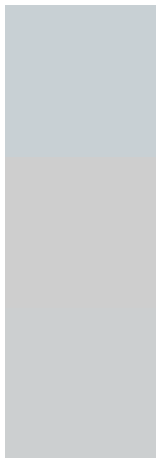
Original Color
83, 3.523, 236.321

Protanomaly
83, 2.651, 290.433

Deuteranomaly
83, 6.881, 329.681

Tritanomaly
83, 6.651, 272.228

Monochromacy



Original Color
83, 3.523, 236.321

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 1.201, 225.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 3.523, 236.321 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(200, 208, 212)` looks like.

```
.text, #text, p{  
    color:rgb(200, 208, 212)  
}
```

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(200, 208, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 208, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 3.523, 236.321 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(200, 208, 212) }
```

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

```
.border{ border-color:rgb(200, 208, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 208, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 208, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 208, 212);  
box-shadow:4px 4px 4px 4px rgb(200, 208,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 3.523, 236.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 208, 212) }
```

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

```
.background{ background-color: rgb(200,  
208, 212) }
```

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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