

Converting Colors

CIELCh(81, 2.485, 33.138)

Have a look what the booklet for
CIELCh(81, 2.485, 33.138) contains.

CIELCh(81, 2.265, 32.843)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(81, 2.265, 32.843)

Conversions

Conversions Part 1

Format	Color
Hex	CEC8C7
RGB	206, 200, 199
RGB Percent	81%, 78%, 78%
CMY	0.1927, 0.2162, 0.2201
CMYK	0.00, 0.03, 0.03, 0.19
HSL	9°, 7%, 79%
HSV	9°, 3%, 81%
XYZ	56.3373, 58.4711, 62.2725
YIQ	201.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

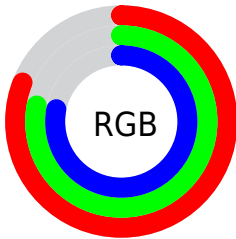
Format	Color
R_{YB}	206, 200, 199
Decimal	13551815
CIE Lab	81.00, 1.90, 1.23
CIE LCh	81, 2.265, 32.843
Yxy	58.4711, 0.3181, 0.3302
Android (android.graphics.Color)	4291741895 (0xFFCEC8C7)
YUV	201.6800, -1.3212, 3.7886
Hunter-Lab	76.4664, -2.3047, 5.2421

Details

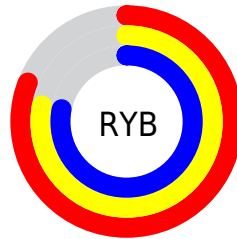
The CIELCh color **81, 2.265, 32.843** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82, 2.218, 213.378**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **61, 2.407, 32.913** is the 20% darker color. If you saturate the color by 10%, you get **76, 9.301, 33.199**, and if you desaturate by 10%, it is **86, 4.226, 213.270**.

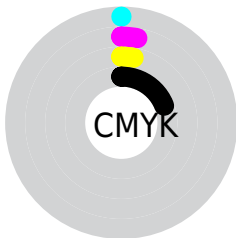
Distribution



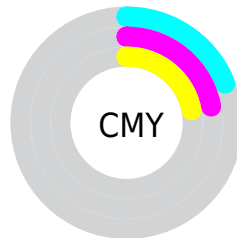
- Red (81%)
- Green (78%)
- Blue (78%)



- Red (81%)
- Yellow (78%)
- Blue (78%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (19%)



- Cyan (19%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 2.265, 32.843 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, 2.265, 32.843 by changing the saturation by 10% instead.

■ 81, 2.265, 32.843

■ 81, 2.265, 32.843

■ 100, 2.265, 32.843

■ 71, 2.265, 32.843

■ 61, 2.265, 32.843

■ 51, 2.265, 32.843

■ 41, 2.265, 32.843

■ 31, 2.265, 32.843

■ 21, 2.265, 32.843

■ 11, 2.265, 32.843

■ 1, 2.265, 32.843

■ 0, 2.265, 32.843

81, 2.265, 32.843

81, 2.265, 32.843

76, 9.301, 33.199

86, 4.226, 213.270

71, 16.935, 33.474

91, 10.225,
213.256

66, 25.201, 33.909

96, 15.563,
202.678

62, 34.106, 34.565

58, 43.608, 35.497

97, 16.291,
198.423

54, 53.586, 36.743

50, 63.787, 38.289

47, 73.681, 39.966

45, 82.099, 41.250

Harmonies

Complementary

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



81, 2.265, 32.843



82, 2.218, 213.378

Rectangle

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



81, 2.265, 32.843



81, 2.265, 82.843



81, 2.265, 212.843



81, 2.265, 262.843

Sweetspot

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



81, 2.264, 32.897



99, 0.784, 32.289



81, 4.138, 328.434



53, 0.446, 32.244



0, 0.000, 0.000



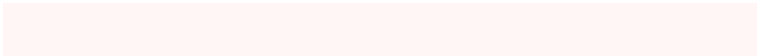
53, 0.007, 296.813

Same Dimension

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



81, 2.264, 32.897



98, 3.178, 32.942



82, 2.511, 87.839



42, 1.885, 32.975



35, 73.198, 42.115



5, 16.499, 27.118

Inverse Universe

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



82, 2.218, 213.378



99, 3.100, 213.338



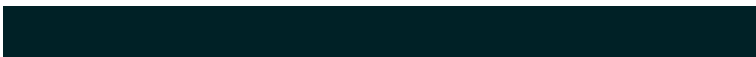
81, 2.522, 268.902



43, 1.831, 213.310



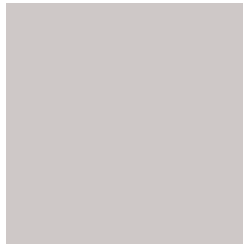
54, 31.627, 222.985



11, 11.929, 216.810

Previews

White Background



This preview shows how the CIELCh color 81, 2.265, 32.843 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 81, 2.265, 32.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

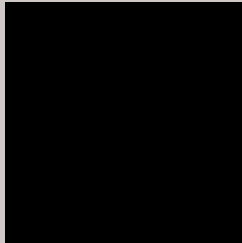
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

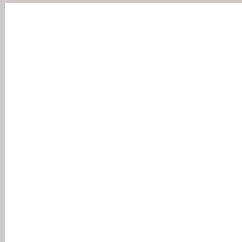
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 81, 2.265, 32.843

Background



This preview shows how black text looks on a background with the CIELCh color 81, 2.265, 32.843.

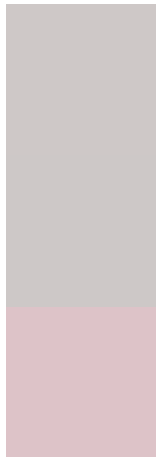


This preview shows how white text looks on a background with the CIELCh color 81, 2.265, 32.843.

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, 2.265, 32.843

Protanopia

81, 1.907, 35.376

Deuteranopia

81, 10.035, 4.905



Tritanopia
81, 8.792, 314.939

Trichromacy



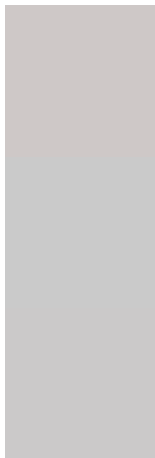
Original Color
81, 2.265, 32.843

Protanomaly
81, 1.907, 35.376

Deuteranomaly
81, 6.863, 6.506

Tritanomaly
81, 5.627, 321.564

Monochromacy



Original Color
81, 2.265, 32.843

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 0.732, 18.705

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 2.265, 32.843 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(206, 200, 199)` looks like.

```
.text, #text, p{  
    color:rgb(206, 200, 199)  
}
```

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(206, 200, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 200, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 2.265, 32.843 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(206, 200, 199) }
```

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

```
.border{ border-color:rgb(206, 200, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 200, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 200, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 200, 199);  
box-shadow:4px 4px 4px 4px rgb(206, 200,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 2.265, 32.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 200, 199) }
```

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

```
.background{ background-color: rgb(206,  
200, 199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor