

Converting Colors

CIELCh(83, 20.439, 295.918)

Have a look what the booklet for
CIELCh(83, 20.439, 295.918)
contains.

CIELCh(83, 20.193, 295.738)	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(83, 20.193, 295.738)

Conversions

Conversions Part 1

Format	Color
Hex	CFCBF1
RGB	207, 203, 241
RGB Percent	81%, 80%, 95%
CMY	0.1892, 0.2049, 0.0559
CMYK	0.14, 0.16, 0.00, 0.06
HSL	246°, 57%, 87%
HSV	246°, 16%, 94%
XYZ	62.8018, 62.1629, 91.7114
YIQ	208.5280, -9.8140, 12.6660

Conversions

Conversions Part 2

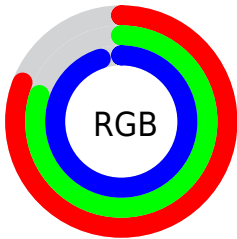
Format	Color
R _Y B	207, 203, 241
Decimal	13618161
CIE Lab	83.00, 8.77, -18.19
CIE LCh	83, 20.193, 295.738
Yxy	62.1629, 0.2898, 0.2869
Android (android.graphics.Color)	4291808241 (0xFFCFCBF1)
YUV	208.5280, 16.0087, -1.3401
Hunter-Lab	78.8435, 4.2059, -13.7762

Details

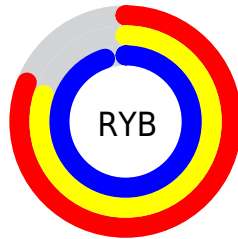
The CIELCh color `83, 20.193, 295.738` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `94, 19.482, 113.030`, and the grayscale version is `84, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `63, 20.220, 295.307` is the 20% darker color. If you saturate the color by 10%, you get `75, 33.665, 296.836`, and if you desaturate by 10%, it is `91, 7.255, 294.795`.

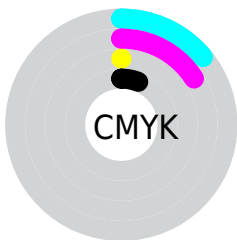
Distribution



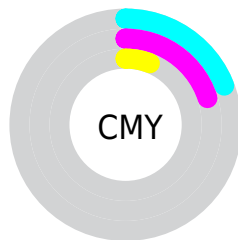
- Red (81%)
- Green (80%)
- Blue (95%)



- Red (81%)
- Yellow (80%)
- Blue (95%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)





- Cyan (19%)
- Magenta (20%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 20.193, 295.738 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, 20.193, 295.738 by changing the saturation by 10% instead.


 83, 20.193,
295.738


 83, 20.193,
295.738


 100, 20.193,
295.738


 73, 20.193,
295.738

 63, 20.193,
295.738

 53, 20.193,
295.738

 43, 20.193,
295.738

 33, 20.193,
295.738

 23, 20.193,
295.738

 13, 20.193,

295.738

■ 3, 20.193, 295.738

■ 0, 20.193, 295.738

■ 83, 20.193,
295.738

■ 83, 20.193,
295.738

■ 75, 33.665,
296.836

■ 91, 7.255, 294.795

■ 68, 47.696,
298.110

■ 98, 5.176, 113.980

■ 60, 62.259,
299.563

■ 100, 7.213,
109.627

■ 53, 77.222,
301.172

■ 46, 92.205,

302.861

■ 40, 106.346,
304.471

■ 35, 118.089,
305.748

■ 32, 125.510,
306.413

■ 31, 127.518,
306.574

Harmonies

Complementary

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



83, 20.193, 295.738



94, 19.482, 113.030

Rectangle

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



83, 20.193, 295.738



83, 20.193, 345.738



83, 20.193, 115.738



83, 20.193, 165.738

Sweetspot

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



83, 20.191, 295.736



96, 6.567, 294.730



91, 11.700, 208.430



51, 4.486, 294.790



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, 20.191, 295.736



85, 25.641, 296.078



85, 21.635, 313.155



46, 7.156, 295.125



22, 103.956, 306.642



3, 38.084, 301.201

Inverse Universe

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



86, 22.392, 328.340



88, 28.277, 328.537



93, 21.272, 131.801



47, 8.009, 327.957



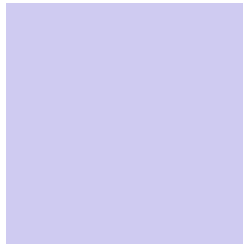
43, 83.151, 332.915



10, 36.716, 332.199

Previews

White Background



This preview shows how the CIELCh color 83, 20.193, 295.738 looks on a white background.

Color Contrast Check

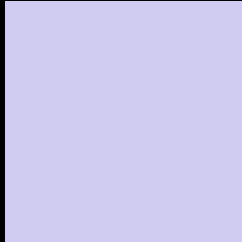
Large Text (above 18pt) WCAG AA × Fail

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 83, 20.193, 295.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

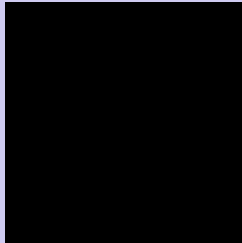
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 83, 20.193, 295.738

Background



This preview shows how black text looks on a background with the CIELCh color 83, 20.193, 295.738.



This preview shows how white text looks on a background with the CIELCh color 83, 20.193, 295.738.

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

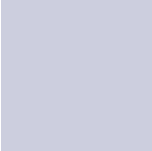
83, 20.193, 295.738

Protanopia

83, 19.630, 286.000

Deuteranopia

83, 20.884, 299.402



Tritanopia
83, 8.481, 286.171

Trichromacy



Original Color
83, 20.193, 295.738

Protanomaly
83, 20.111, 289.995

Deuteranomaly
83, 20.840, 298.474

Tritanomaly
83, 12.700, 291.277

Monochromacy



Original Color
83, 20.193, 295.738

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 7.450, 296.276

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 20.193, 295.738 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(207, 203, 241)` looks like.

```
.text, #text, p{  
    color:rgb(207, 203, 241)  
}
```

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(207, 203, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 203, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 20.193, 295.738 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(207, 203, 241) }
```

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

```
.border{ border-color:rgb(207, 203, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 203, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 203, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 203, 241);  
box-shadow:4px 4px 4px 4px rgb(207, 203,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 20.193, 295.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 203, 241) }
```

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

```
.background{ background-color: rgb(207,  
203, 241) }
```

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