

Converting Colors

CIELCh(83, 0.510, 110.026)

Have a look what the booklet for
CIELCh(83, 0.510, 110.026) contains.

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Color

CIELCh(83, 0.518, 110.005)

Conversions

Conversions Part 1

Format	Color
Hex	CFCFCE
RGB	207, 207, 206
RGB Percent	81%, 81%, 81%
CMY	0.1893, 0.1893, 0.1932
CMYK	0.00, 0.00, 0.00, 0.19
HSL	60°, 1%, 81%
HSV	60°, 0%, 81%
XYZ	59.0104, 62.1629, 67.1075
YIQ	206.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

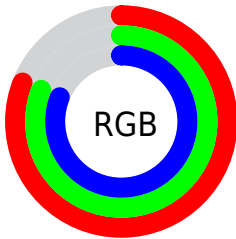
Format	Color
R _Y B	206, 207, 206
Decimal	13619150
CIE Lab	83.00, -0.18, 0.49
CIE LCh	83, 0.518, 110.005
Yxy	62.1629, 0.3134, 0.3302
Android (android.graphics.Color)	4291809230 (0xFFCFCFCE)
YUV	206.8860, -0.4368, 0.1000
Hunter-Lab	78.8435, -4.3777, 4.7259

Details

The CIELCh color `83, 0.518, 110.005` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83, 0.540, 290.486`, 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, 0.550, 110.022` is the 20% darker color. If you saturate the color by 10%, you get `82, 11.413, 109.316`, and if you desaturate by 10%, it is `84, 10.395, 291.213`.

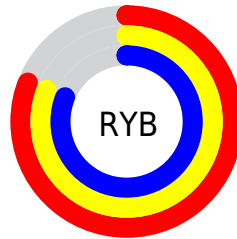
Distribution



Red (81%)

Green (81%)

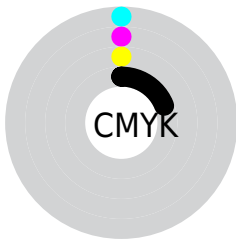
Blue (81%)



Red (81%)

Yellow (81%)

Blue (81%)

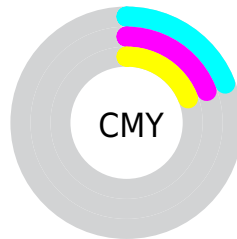


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (19%)



Cyan (19%)

Magenta (19%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 0.518, 110.005 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, 0.518, 110.005 by changing the saturation by 10% instead.

■ 83, 0.518, 110.005

■ 83, 0.518, 110.005

100, 0.518,
110.005

■ 73, 0.518, 110.005

■ 63, 0.518, 110.005

■ 53, 0.518, 110.005

■ 43, 0.518, 110.005

■ 33, 0.518, 110.005

■ 23, 0.518, 110.005

■ 13, 0.518, 110.005

■ 3, 0.518, 110.005

■ 0, 0.518, 110.005

■ 83, 0.518, 110.005

■ 83, 0.518, 110.005

■ 82, 11.413,
109.316

■ 84, 10.395,
291.213

■ 82, 22.231,
108.356

■ 84, 21.296,
292.113

■ 82, 32.894,
107.398

■ 84, 25.466,
292.483

■ 81, 43.277,
106.465

■ 84, 25.466,
292.538

■ 81, 53.186,
105.580

■ 84, 25.467,
292.593

■ 81, 62.328,
104.776

■ 84, 25.467,
292.648

■ 81, 70.288,
104.090

■ 84, 25.468,
292.703

■ 81, 76.558,
103.565

■ 84, 25.468,
292.758

■ 81, 80.677,
103.233

■ 85, 25.469,
292.813

Harmonies

Complementary

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



83, 0.518, 110.005



83, 0.540, 290.486

Rectangle

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



83, 0.518, 110.005



83, 0.518, 160.005



83, 0.518, 290.005



83, 0.518, 340.005

Sweetspot

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



83, 0.520, 110.151

100, 0.012, 296.813



83, 0.366, 17.894



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



83, 0.520, 110.151



100, 1.282, 110.166



83, 0.553, 129.267



44, 0.619, 110.168



67, 70.995, 103.075



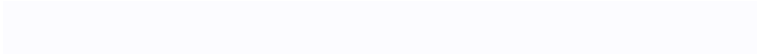
16, 23.490, 105.105

Inverse Universe

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



83, 0.540, 290.486



99, 1.308, 290.474



83, 0.573, 308.878



44, 0.632, 290.472



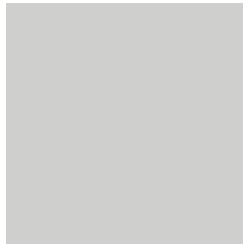
19, 98.009, 306.299



1, 25.558, 293.307

Previews

White Background



This preview shows how the CIELCh color 83, 0.518, 110.005 looks on a white background.

Color Contrast Check

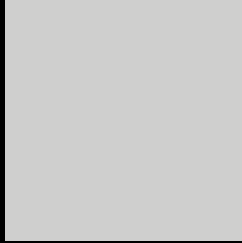
Large Text (above 18pt) WCAG AA × Fail

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, 0.518, 110.005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

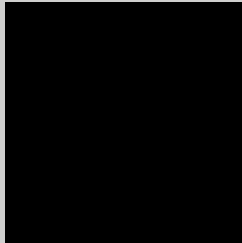
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

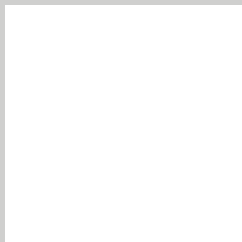
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 0.518, 110.005

Background



This preview shows how black text looks on a background with the CIELCh color 83, 0.518, 110.005.

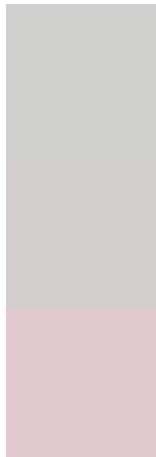


This preview shows how white text looks on a background with the CIELCh color 83, 0.518, 110.005.

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, 0.518, 110.005

Protanopia

83, 1.546, 39.064

Deuteranopia

83, 10.288, 359.195



Tritanopia
83, 9.201, 302.032

Trichromacy



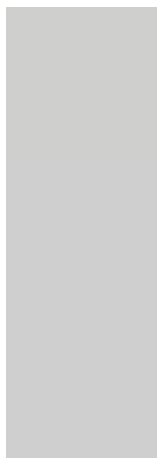
Original Color
83, 0.518, 110.005

Protanomaly
83, 1.207, 44.882

Deuteranomaly
83, 6.792, 357.026

Tritanomaly
83, 5.419, 302.060

Monochromacy



Original Color
83, 0.518, 110.005

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 0.010, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 0.518, 110.005 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, 207, 206)` looks like.

```
.text, #text, p{  
    color:rgb(207, 207, 206)  
}
```

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, 207, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 207, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 0.518, 110.005 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, 207, 206) }
```

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

```
.border{ border-color:rgb(207, 207, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 207, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 207, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 207, 206);  
box-shadow:4px 4px 4px 4px rgb(207, 207,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 0.518, 110.005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 207, 206) }
```

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

```
.background{ background-color: rgb(207,  
207, 206) }
```

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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