

Converting Colors

CIELCh(83, 6.403, 15.280)

Have a look what the booklet for
CIELCh(83, 6.403, 15.280) contains.

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Color

CIELCh(83, 6.302, 15.015)

Conversions

Conversions Part 1

Format	Color
Hex	DCCBCC
RGB	220, 203, 204
RGB Percent	86%, 80%, 80%
CMY	0.1380, 0.2046, 0.2007
CMYK	0.00, 0.08, 0.07, 0.14
HSL	356°, 19%, 83%
HSV	356°, 8%, 86%
XYZ	61.6486, 62.1629, 65.7612
YIQ	208.1970, 9.8110, 3.9150

Conversions

Conversions Part 2

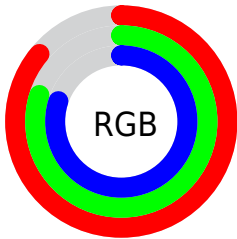
Format	Color
R _{YB}	220, 203, 204
Decimal	14470092
CIE Lab	83.00, 6.09, 1.63
CIE LCh	83, 6.302, 15.015
Yxy	62.1629, 0.3252, 0.3279
Android (android.graphics.Color)	4292660172 (0xFFDCCBCC)
YUV	208.1970, -2.0691, 10.3512
Hunter-Lab	78.8435, 1.5950, 5.7383

Details

The CIELCh color **83, 6.302, 15.015** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **86, 6.032, 194.102**, 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, 6.300, 14.883** is the 20% darker color. If you saturate the color by 10%, you get **77, 14.974, 15.990**, and if you desaturate by 10%, it is **89, 1.782, 194.718**.

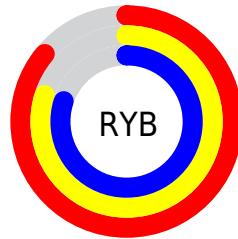
Distribution



Red (86%)

Green (80%)

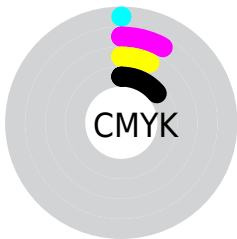
Blue (80%)



Red (86%)

Yellow (80%)

Blue (80%)

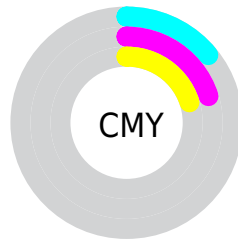


Cyan (0%)

Magenta (8%)

Yellow (7%)

Black (14%)



Cyan (14%)

Magenta (20%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 6.302, 15.015 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, 6.302, 15.015 by changing the saturation by 10% instead.

83, 6.302, 15.015

83, 6.302, 15.015

100, 6.302, 15.015

73, 6.302, 15.015

63, 6.302, 15.015

53, 6.302, 15.015

43, 6.302, 15.015

33, 6.302, 15.015

23, 6.302, 15.015

13, 6.302, 15.015

3, 6.302, 15.015

0, 6.302, 15.015

83, 6.302, 15.015

83, 6.302, 15.015

77, 14.974, 15.990

89, 1.782, 194.718

71, 24.236, 17.137

95, 9.302, 193.849

66, 34.027, 18.581

98, 11.863,
198.713

61, 44.211, 20.427

56, 54.551, 22.797

52, 64.728, 25.807

49, 74.373, 29.492

47, 83.043, 33.639

46, 89.898, 37.476

Harmonies

Complementary

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



83, 6.302, 15.015



86, 6.032, 194.102

Rectangle

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



83, 6.302, 15.015



83, 6.302, 65.015



83, 6.302, 195.015



83, 6.302, 245.015

Sweetspot

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



83, 6.300, 15.032



99, 1.803, 14.325



83, 10.681, 323.008



53, 1.025, 14.299



0, 0.000, 0.000



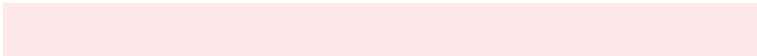
53, 0.007, 296.813

Same Dimension

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



83, 6.300, 15.032



94, 8.314, 15.157



85, 5.235, 66.936



43, 4.646, 15.190



36, 75.804, 37.534



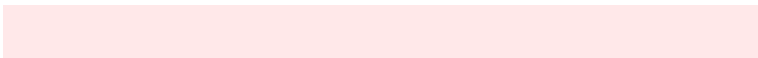
5, 23.761, 17.741

Inverse Universe

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



83, 6.300, 15.032



94, 8.314, 15.157



85, 5.104, 248.871



43, 4.646, 15.190



36, 75.804, 37.534



5, 23.761, 17.741

Previews

White Background



This preview shows how the CIELCh color 83, 6.302, 15.015 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, 6.302, 15.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

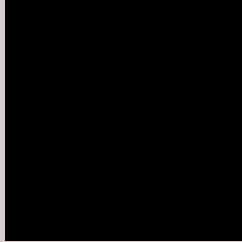
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

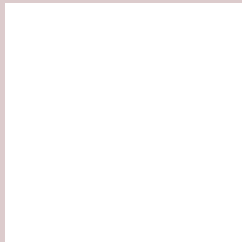
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 6.302, 15.015

Background



This preview shows how black text looks on a background with the CIELCh color 83, 6.302, 15.015.



This preview shows how white text looks on a background with the CIELCh color 83, 6.302, 15.015.

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, 6.302, 15.015

Protanopia

83, 1.896, 35.368

Deuteranopia

83, 10.244, 8.322



Tritanopia
83, 11.406, 332.475

Trichromacy



Original Color
83, 6.302, 15.015

Protanomaly
83, 3.301, 19.484

Deuteranomaly
83, 8.669, 9.538

Tritanomaly
83, 8.738, 342.911

Monochromacy



Original Color
83, 6.302, 15.015

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 2.193, 19.313

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 6.302, 15.015 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(220, 203, 204)` looks like.

```
.text, #text, p{  
    color:rgb(220, 203, 204)  
}
```

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(220, 203, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 203, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 6.302, 15.015 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(220, 203, 204) }
```

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

```
.border{ border-color:rgb(220, 203, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 203, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 203, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 203, 204);  
box-shadow:4px 4px 4px 4px rgb(220, 203,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 6.302, 15.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 203, 204) }
```

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

```
.background{ background-color: rgb(220,  
203, 204) }
```

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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