

Converting Colors

CIELCh(83, 78.313, 103.426)

Have a look what the booklet for
CIELCh(83, 78.313, 103.426)
contains.

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Color

CIELCh(83, 78.263, 103.371)

Conversions

Conversions Part 1

Format	Color
Hex	D5D52B
RGB	213, 213, 43
RGB Percent	84%, 84%, 17%
CMY	0.1631, 0.1632, 0.8332
CMYK	0.00, 0.00, 0.80, 0.16
HSL	60°, 67%, 50%
HSV	60°, 80%, 84%
XYZ	51.8805, 62.1629, 11.5035
YIQ	193.6200, 54.5700, -52.8700

Conversions

Conversions Part 2

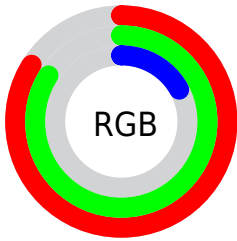
Format	Color
R _Y B	43, 213, 43
Decimal	14013739
CIE Lab	83.00, -18.10, 76.14
CIE LCh	83, 78.263, 103.371
Yxy	62.1629, 0.4132, 0.4951
Android (android.graphics.Color)	4292203819 (0xFFD5D52B)
YUV	193.6200, -74.2557, 16.9963
Hunter-Lab	78.8435, -20.5197, 46.5399

Details

The CIELCh color **83, 78.263, 103.371** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **32, 102.276, 303.904**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 72.048, 104.671**, and **63, 68.137, 104.776** is the 20% darker color. If you saturate the color by 10%, you get **83, 82.545, 103.021**, and if you desaturate by 10%, it is **83, 71.778, 103.915**.

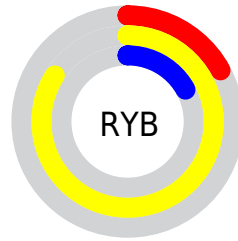
Distribution



Red (84%)

Green (84%)

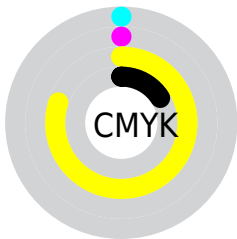
Blue (17%)



Red (17%)

Yellow (84%)

Blue (17%)

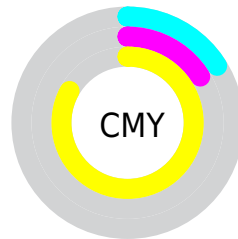


Cyan (0%)

Magenta (0%)

Yellow (80%)

Black (16%)



Cyan (16%)


Magenta (16%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 78.263, 103.371 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, 78.263, 103.371 by changing the saturation by 10% instead.


 83, 78.263,
103.371


 83, 78.263,
103.371


 100, 78.263,
103.371


 73, 78.263,
103.371

 63, 78.263,
103.371

 53, 78.263,
103.371

 43, 78.263,
103.371

 33, 78.263,
103.371

 23, 78.263,
103.371

 13, 78.263,

103.371

■ 3, 78.263, 103.371

■ 0, 78.263, 103.371

■ 83, 78.263,
103.371

■ 83, 78.263,
103.371

■ 83, 82.545,
103.021

■ 83, 71.778,
103.915

■ 83, 84.720,
102.844

■ 83, 63.568,
104.614

■ 83, 54.158,
105.430

■ 84, 43.971,
106.324

■ 84, 33.304,

107.267

■ 84, 22.355,
108.232

■ 85, 11.251,
109.199

■ 85, 0.073, 109.244

■ 86, 11.125,
291.111

Harmonies

Complementary

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



83, 78.263, 103.371



32, 102.276, 303.904

Rectangle

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



83, 78.263, 103.371



83, 78.263, 153.371



83, 78.263, 283.371



83, 78.263, 333.371

Sweetspot

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



83, 78.263, 103.373



99, 30.819, 107.828



47, 76.574, 33.023



53, 21.128, 107.481



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, 78.263, 103.373



97, 96.210, 102.893



78, 85.785, 125.923



45, 6.358, 109.262



68, 71.779, 102.844



17, 25.017, 104.487

Inverse Universe

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



32, 102.276, 303.904



33, 132.089, 306.046



39, 97.393, 312.147



41, 6.499, 291.149



20, 99.117, 306.285



2, 27.574, 294.039

Previews

White Background



This preview shows how the CIELCh color 83, 78.263, 103.371 looks on a white background.

Color Contrast Check

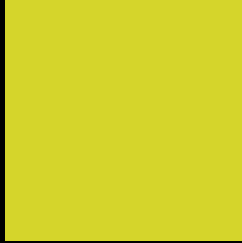
Large Text (above 18pt) WCAG AA × Fail

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, 78.263, 103.371 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, 78.263, 103.371

Background



This preview shows how black text looks on a background with the CIELCh color 83, 78.263, 103.371.

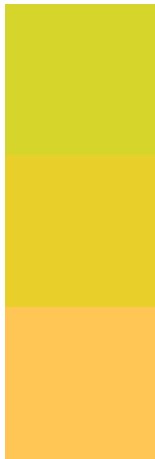


This preview shows how white text looks on a background with the CIELCh color 83, 78.263, 103.371.

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, 78.007, 103.393

Protanopia
83, 77.374, 95.243

Deuteranopia
83, 62.979, 81.240



Tritanopia
83, 12.947, 342.756

Trichromacy



Original Color
83, 78.007, 103.393

Protanomaly
83, 77.266, 98.209

Deuteranomaly
83, 67.830, 90.466

Tritanomaly
82, 28.270, 92.864

Monochromacy



Original Color
83, 78.007, 103.393

Achromatopsia
78, 0.009, 296.813

Achromatomaly
80, 32.523, 107.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 78.263, 103.371 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(213, 213, 43)` looks like.

```
.text, #text, p{  
    color:rgb(213, 213, 43)  
}
```

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(213, 213, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 213, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 78.263, 103.371 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(213, 213, 43) }
```

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

```
.border{ border-color:rgb(213, 213, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 213, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 213, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 213, 43);  
box-shadow:4px 4px 4px 4px rgb(213, 213,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 78.263, 103.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 213, 43) }
```

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

```
.background{ background-color: rgb(213,  
213, 43) }
```

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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