

Converting Colors

CIELCh(81, 73.665, 103.621)

Have a look what the booklet for
CIELCh(81, 73.665, 103.621)
contains.

CIELCh(81, 73.715, 103.640)	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(81, 73.715, 103.640)

Conversions

Conversions Part 1

Format	Color
Hex	D0D033
RGB	208, 208, 51
RGB Percent	82%, 82%, 20%
CMY	0.1862, 0.1861, 0.7981
CMYK	0.00, 0.00, 0.75, 0.19
HSL	60°, 62%, 51%
HSV	60°, 75%, 81%
XYZ	48.9273, 58.4711, 11.8937
YIQ	190.1020, 50.3970, -48.8270

Conversions

Conversions Part 2

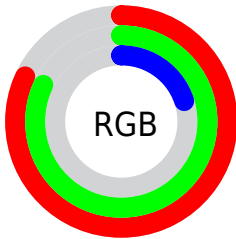
Format	Color
RYB	51, 208, 51
Decimal	13684787
CIELab	81.00, -17.38, 71.64
CIELCh	81, 73.715, 103.640
Yxy	58.4711, 0.4101, 0.4902
Android (android.graphics.Color)	4291874867 (0xFFD0D033)
YUV	190.1020, -68.5773, 15.6965
Hunter-Lab	76.4664, -19.6023, 44.3044

Details

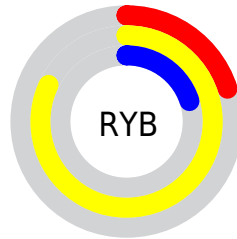
The CIELCh color **81, 73.715, 103.640** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **33, 94.299, 302.926**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 69.991, 104.826**, and **61, 66.541, 104.438** is the 20% darker color. If you saturate the color by 10%, you get **81, 79.028, 103.194**, and if you desaturate by 10%, it is **81, 66.466, 104.266**.

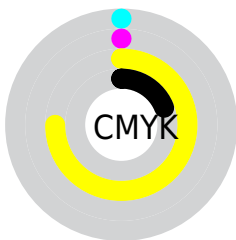
Distribution



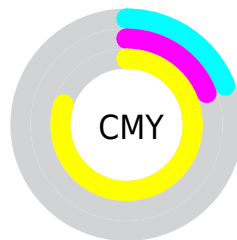
- Red (82%)
- Green (82%)
- Blue (20%)



- Red (20%)
- Yellow (82%)
- Blue (20%)



- Cyan (0%)
- Magenta (0%)
- Yellow (75%)
- Black (19%)





- Cyan (19%)
- Magenta (19%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 73.715, 103.640 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, 73.715, 103.640 by changing the saturation by 10% instead.


 81, 73.715,
103.640


 81, 73.715,
103.640


 100, 73.715,
103.640


 71, 73.715,
103.640

 61, 73.715,
103.640

 51, 73.715,
103.640

 41, 73.715,
103.640

 31, 73.715,
103.640

 21, 73.715,
103.640

 11, 73.715,

103.640

■ 1, 73.715, 103.640

■ 0, 73.715, 103.640

■ 81, 73.715,
103.640

■ 81, 73.715,
103.640

■ 81, 79.028,
103.194

■ 81, 66.466,
104.266

■ 81, 82.059,
102.943

■ 81, 57.796,
105.026

■ 81, 82.975,
102.867

■ 82, 48.174,
105.883

■ 82, 37.953,
106.802

■ 82, 27.369,

107.756

■ 83, 16.577,
108.723

■ 83, 5.677, 109.680

■ 84, 5.267, 290.653

■ 84, 16.213,
291.568

Harmonies

Complementary

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



81, 73.715, 103.640



33, 94.299, 302.926

Rectangle

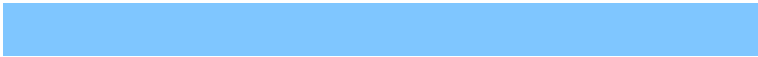
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 73.715, 103.640



81, 73.715, 153.640



81, 73.715, 283.640



81, 73.715, 333.640

Sweetspot

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



81, 73.715, 103.642



99, 29.554, 107.942



47, 70.996, 32.212



53, 20.414, 107.589



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, 73.715, 103.642



97, 94.708, 103.023



76, 80.849, 126.356



44, 6.234, 109.280



67, 70.993, 102.867



16, 23.491, 104.909

Inverse Universe

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



33, 94.299, 302.926



34, 128.446, 305.537



41, 90.579, 312.541



40, 6.372, 291.160



19, 98.027, 306.288



1, 25.555, 293.222

Previews

White Background



This preview shows how the CIELCh color 81, 73.715, 103.640 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 81, 73.715, 103.640 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, 73.715, 103.640

Background



This preview shows how black text looks on a background with the CIELCh color 81, 73.715, 103.640.



This preview shows how white text looks on a background with the CIELCh color 81, 73.715, 103.640.

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, 74.021, 103.614

Protanopia

81, 72.795, 94.962

Deuteranopia

81, 71.253, 81.730



Tritanopia
81, 13.338, 340.965

Trichromacy



Original Color
81, 74.021, 103.614

Protanomaly
81, 72.630, 98.122

Deuteranomaly
81, 70.863, 89.804

Tritanomaly
80, 25.391, 91.367

Monochromacy



Original Color
81, 74.021, 103.614

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 29.562, 107.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 73.715, 103.640 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(208, 208, 51)` looks like.

```
.text, #text, p{  
    color:rgb(208, 208, 51)  
}
```

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(208, 208, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 208, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 73.715, 103.640 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(208, 208, 51) }
```

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

```
.border{ border-color:rgb(208, 208, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 208, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 208, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 208, 51);  
box-shadow:4px 4px 4px 4px rgb(208, 208,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 73.715, 103.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 208, 51) }
```

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

```
.background{ background-color: rgb(208,  
208, 51) }
```

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