

Converting Colors

CIELCh(73, 31.097, 109.273)

Have a look what the booklet for
CIELCh(73, 31.097, 109.273)
contains.

CIELCh(73, 30.976, 109.434)	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(73, 30.976, 109.434)

Conversions

Conversions Part 1

Format	Color
Hex	B4B77D
RGB	180, 183, 125
RGB Percent	71%, 72%, 49%
CMY	0.2933, 0.2815, 0.5090
CMYK	0.02, 0.00, 0.32, 0.28
HSL	63°, 29%, 60%
HSV	63°, 32%, 72%
XYZ	39.5596, 45.1644, 26.0990
YIQ	175.4910, 16.8300, -18.6740

Conversions

Conversions Part 2

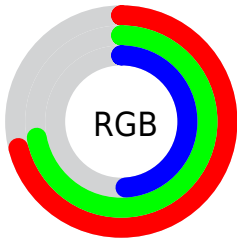
Format	Color
RYB	125, 183, 128
Decimal	11843453
CIELab	73.00, -10.31, 29.21
CIELCh	73, 30.976, 109.434
Yxy	45.1644, 0.3570, 0.4075
Android (android.graphics.Color)	4290033533 (0xFFB4B77D)
YUV	175.4910, -24.8921, 3.9544
Hunter-Lab	67.2044, -12.5344, 24.0177

Details

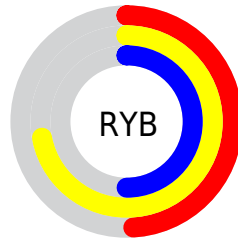
The CIELCh color **73, 30.976, 109.434** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55, 33.440, 295.753**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 31.105, 109.825**, and **53, 31.020, 109.583** is the 20% darker color. If you saturate the color by 10%, you get **73, 40.366, 108.587**, and if you desaturate by 10%, it is **73, 21.323, 110.314**.

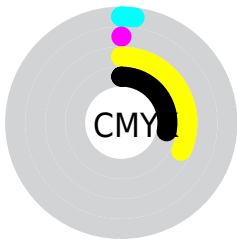
Distribution



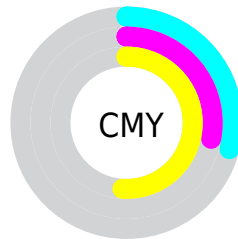
- Red (71%)
- Green (72%)
- Blue (49%)



- Red (49%)
- Yellow (72%)
- Blue (50%)



- Cyan (2%)
- Magenta (0%)
- Yellow (32%)
- Black (28%)





- Cyan (29%)
- Magenta (28%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 30.976, 109.434 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 73, 30.976, 109.434 by changing the saturation by 10% instead.


 73, 30.976,
109.434


 73, 30.976,
109.434


 100, 30.976,
109.434


 63, 30.976,
109.434


 93, 30.976,
109.434

 53, 30.976,
109.434

 43, 30.976,
109.434

 33, 30.976,
109.434

 23, 30.976,
109.434

 13, 30.976,
109.434

 3, 30.976, 109.434

■ 0, 30.976, 109.434

■ 73, 30.976,
109.434

■ 73, 30.976,
109.434

■ 73, 40.366,
108.587

■ 73, 21.323,
110.314

■ 72, 49.310,
107.790

■ 74, 11.519,
111.195

■ 72, 57.544,
107.085

■ 74, 1.640, 112.046

■ 75, 8.263, 292.928

■ 72, 64.693,
106.518

■ 76, 18.156,
293.748

■ 72, 70.303,
106.142

■ 76, 28.015,
294.536

■ 72, 73.967,
106.004

■ 77, 37.821,

■ 72, 75.757,
106.042

295.285

■ 77, 38.665,
295.750

■ 77, 38.679,
296.191

Harmonies

Complementary

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



73, 30.976, 109.434



55, 33.440, 295.753

Rectangle

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



73, 30.976, 109.434



73, 30.976, 159.434



73, 30.976, 289.434



73, 30.976, 339.434

Sweetspot

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



73, 30.977, 109.437



93, 10.964, 111.415



59, 23.254, 25.831



50, 7.679, 111.288



97, 0.011, 296.813



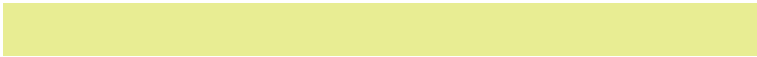
50, 0.007, 296.813

Same Dimension

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



73, 30.977, 109.437



92, 45.560, 108.841



71, 33.686, 129.360



39, 5.606, 111.398



62, 67.129, 106.003



9, 15.201, 112.211

Inverse Universe

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



55, 33.440, 295.753



65, 50.216, 296.787



57, 35.018, 312.243



35, 5.728, 293.085



18, 92.221, 306.475



1, 15.396, 291.796

Previews

White Background



This preview shows how the CIELCh color 73, 30.976, 109.434 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 73, 30.976, 109.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

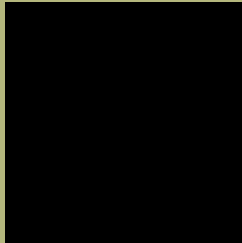
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 30.976, 109.434

Background



This preview shows how black text looks on a background with the CIELCh color 73, 30.976, 109.434.



This preview shows how white text looks on a background with the CIELCh color 73, 30.976, 109.434.

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


73, 30.976, 109.434

Protanopia

73, 30.695, 95.391

Deuteranopia

73, 29.559, 71.037



Tritanopia
73, 9.038, 322.853

Trichromacy



Original Color
73, 30.976, 109.434

Protanomaly
73, 30.666, 100.940

Deuteranomaly
73, 28.203, 84.854

Tritanomaly
73, 7.018, 86.902

Monochromacy



Original Color
73, 30.976, 109.434

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 11.365, 111.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 30.976, 109.434 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(180, 183, 125)` looks like.

```
.text, #text, p{  
    color:rgb(180, 183, 125)  
}
```

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(180, 183, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 183, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 30.976, 109.434 is called "border". The border property can be set on classes, ids or directly on the HTML element.

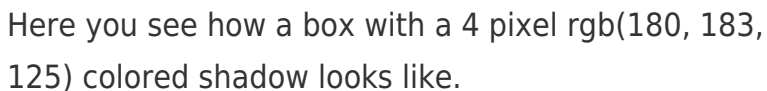
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 183, 125) }
```

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

```
.border{ border-color:rgb(180, 183, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 183, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 183, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 183, 125);  
box-shadow:4px 4px 4px 4px rgb(180, 183,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 30.976, 109.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 183, 125) }
```

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

```
.background{ background-color: rgb(180,  
183, 125) }
```

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