

Converting Colors

CIELCh(77, 25.745, 123.035)

Have a look what the booklet for
CIELCh(77, 25.745, 123.035)
contains.

CIELCh(77, 25.934, 123.661)	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(77, 25.934, 123.661)

Conversions

Conversions Part 1

Format	Color
Hex	B3C596
RGB	179, 197, 150
RGB Percent	70%, 77%, 59%
CMY	0.2992, 0.2286, 0.4129
CMYK	0.09, 0.00, 0.24, 0.23
HSL	83°, 29%, 68%
HSV	83°, 24%, 77%
XYZ	43.8970, 51.5317, 36.3626
YIQ	186.2600, 4.3590, -18.4330

Conversions

Conversions Part 2

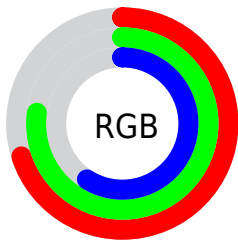
Format	Color
RYB	150, 197, 168
Decimal	11781526
CIELab	77.00, -14.37, 21.59
CIElCh	77, 25.934, 123.661
Yxy	51.5317, 0.3331, 0.3910
Android (android.graphics.Color)	4289971606 (0xFFB3C596)
YUV	186.2600, -17.8762, -6.3670
Hunter-Lab	71.7856, -16.4719, 20.2169

Details

The CIELCh color **77, 25.934, 123.661** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 27.025, 306.222**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 26.310, 123.753**, and **57, 25.714, 123.467** is the 20% darker color. If you saturate the color by 10%, you get **76, 36.624, 123.140**, and if you desaturate by 10%, it is **78, 15.103, 124.190**.

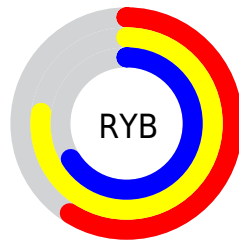
Distribution



Red (70%)

Green (77%)

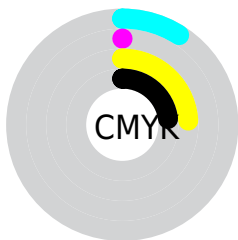
Blue (59%)



Red (59%)

Yellow (77%)

Blue (66%)

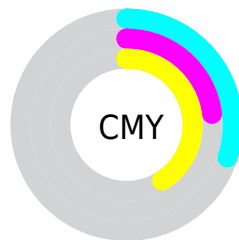


Cyan (9%)

Magenta (0%)

Yellow (24%)

Black (23%)



Cyan (30%)

Magenta (23%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 25.934, 123.661 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 77, 25.934, 123.661 by changing the saturation by 10% instead.

■ 77, 25.934,
123.661

■ 77, 25.934,
123.661

■ 100, 25.934,
123.661

■ 67, 25.934,
123.661

■ 97, 25.934,
123.661

■ 57, 25.934,
123.661

■ 47, 25.934,
123.661

■ 37, 25.934,
123.661

■ 27, 25.934,
123.661

■ 17, 25.934,
123.661

■ 7, 25.934, 123.661

■ 0, 25.934, 123.661

■ 77, 25.934,
123.661

■ 77, 25.934,
123.661

■ 76, 36.624,
123.140

■ 78, 15.103,
124.190

■ 75, 47.029,
122.648

■ 79, 4.221, 124.711

■ 75, 56.947,
122.232

■ 80, 6.644, 305.164

■ 74, 66.081,
121.962

■ 81, 17.446,
305.622

■ 73, 74.024,
121.934

■ 83, 28.150,
306.040

■ 73, 80.302,
122.267

■ 83, 32.307,
309.036

■ 84, 33.081,

■ 72, 84.538,
123.066

313.352

■ 72, 86.375,
123.712

■ 85, 34.027,
317.509

■ 85, 35.137,
321.477

Harmonies

Complementary

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



77, 25.934, 123.661



65, 27.025, 306.222

Rectangle

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



77, 25.934, 123.661



77, 25.934, 173.661



77, 25.934, 303.661



77, 25.934, 353.661

Sweetspot

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



77, 25.936, 123.663



99, 9.392, 124.542



71, 15.314, 57.678



53, 6.104, 124.510



0, 0.000, 0.000



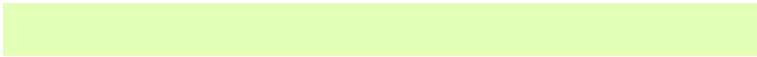
53, 0.007, 296.813

Same Dimension

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



77, 25.936, 123.663



96, 38.788, 123.371



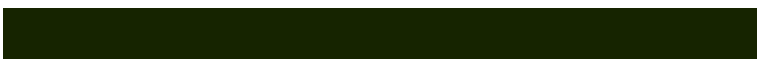
75, 29.627, 139.461



42, 6.221, 124.424



61, 75.076, 123.493



12, 21.934, 126.659

Inverse Universe

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



65, 27.025, 306.222



78, 40.849, 306.585



67, 29.837, 321.875



39, 6.326, 305.361



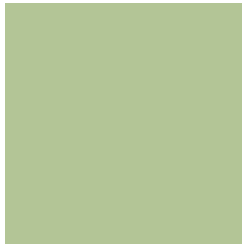
23, 91.467, 309.669



2, 21.987, 301.993

Previews

White Background



This preview shows how the CIELCh color 77, 25.934, 123.661 looks on a white background.

Color Contrast Check

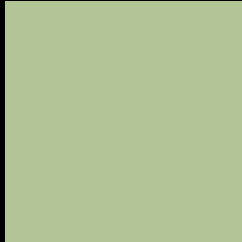
Large Text (above 18pt) WCAG AA × Fail

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 77, 25.934, 123.661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

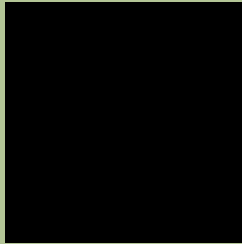
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 25.934, 123.661

Background



This preview shows how black text looks on a background with the CIELCh color 77, 25.934, 123.661.



This preview shows how white text looks on a background with the CIELCh color 77, 25.934, 123.661.

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

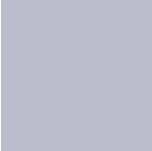
77, 25.934, 123.661

Protanopia

77, 24.023, 95.321

Deuteranopia

77, 22.359, 63.713



Tritanopia
77, 8.082, 285.871

Trichromacy



Original Color
77, 25.934, 123.661

Protanomaly
77, 23.928, 106.009

Deuteranomaly
77, 20.247, 86.240

Tritanomaly
77, 5.239, 144.256

Monochromacy



Original Color
77, 25.934, 123.661

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 9.509, 125.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 25.934, 123.661 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(179, 197, 150)` looks like.

```
.text, #text, p{  
    color:rgb(179, 197, 150)  
}
```

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(179, 197, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 197, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 25.934, 123.661 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(179, 197, 150) }
```

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

```
.border{ border-color:rgb(179, 197, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 197, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 197, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 197, 150);  
box-shadow:4px 4px 4px 4px rgb(179, 197,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 25.934, 123.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 197, 150) }
```

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

```
.background{ background-color: rgb(179,  
197, 150) }
```

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