

Converting Colors

CIELCh(77, 51.335, 108.899)

Have a look what the booklet for
CIELCh(77, 51.335, 108.899)
contains.

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Color

CIELCh(77, 51.524, 109.162)

Conversions

Conversions Part 1

Format	Color
Hex	BDC561
RGB	189, 197, 97
RGB Percent	74%, 77%, 38%
CMY	0.2594, 0.2280, 0.6201
CMYK	0.04, 0.00, 0.51, 0.23
HSL	65°, 46%, 58%
HSV	65°, 51%, 77%
XYZ	43.0380, 51.5317, 18.9559
YIQ	183.2080, 27.3320, -32.7960

Conversions

Conversions Part 2

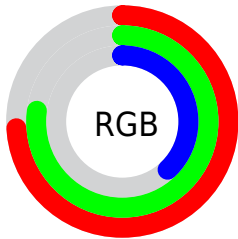
Format	Color
RYB	97, 197, 105
Decimal	12436833
CIELab	77.00, -16.91, 48.67
CIELCh	77, 51.524, 109.162
Yxy	51.5317, 0.3791, 0.4539
Android (android.graphics.Color)	4290626913 (0xFFBDC561)
YUV	183.2080, -42.5005, 5.0796
Hunter-Lab	71.7856, -18.6079, 34.5937

Details

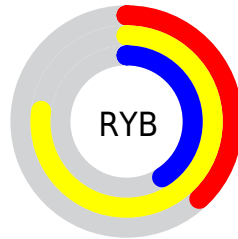
The CIELCh color **77, 51.524, 109.162** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **46, 59.153, 299.602**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 51.750, 109.285**, and **57, 51.497, 108.740** is the 20% darker color. If you saturate the color by 10%, you get **77, 60.328, 108.498**, and if you desaturate by 10%, it is **77, 41.989, 109.926**.

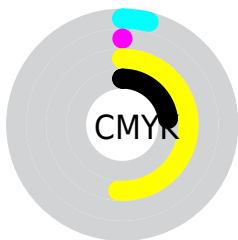
Distribution



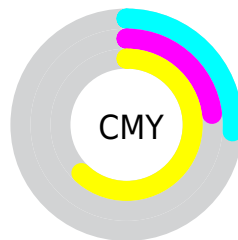
- Red (74%)
- Green (77%)
- Blue (38%)



- Red (38%)
- Yellow (77%)
- Blue (41%)



- Cyan (4%)
- Magenta (0%)
- Yellow (51%)
- Black (23%)





- Cyan (26%)
- Magenta (23%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 51.524, 109.162 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, 51.524, 109.162 by changing the saturation by 10% instead.


 77, 51.524,
109.162


 77, 51.524,
109.162


 100, 51.524,
109.162


 67, 51.524,
109.162


 97, 51.524,
109.162

 57, 51.524,
109.162

 47, 51.524,
109.162

 37, 51.524,
109.162

 27, 51.524,
109.162

 17, 51.524,
109.162

 7, 51.524, 109.162

0, 51.524, 109.162

77, 51.524,
109.162

77, 51.524,
109.162

77, 60.328,
108.498

77, 41.989,
109.926

76, 68.006,
107.977

78, 31.996,
110.742

76, 74.075,
107.665

78, 21.731,
111.583

76, 78.093,
107.618

79, 11.314,
112.427

76, 80.138,
107.788

79, 0.824, 113.222

80, 9.688, 294.077

81, 20.184,

294.856

■ 82, 30.639,
295.601

■ 82, 31.007,
296.540

Harmonies

Complementary

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



77, 51.524, 109.162



46, 59.153, 299.602

Rectangle

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



77, 51.524, 109.162



77, 51.524, 159.162



77, 51.524, 289.162



77, 51.524, 339.162

Sweetspot

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



77, 51.525, 109.164



99, 19.380, 112.053



55, 41.847, 29.548



53, 13.213, 111.872



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, 51.525, 109.164



97, 74.449, 108.429



74, 56.660, 129.034



42, 5.996, 112.544



64, 69.720, 107.723



13, 20.375, 110.754

Inverse Universe

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



46, 59.153, 299.602



51, 89.238, 301.556



51, 60.269, 313.689



38, 6.127, 294.163



19, 95.392, 306.568



1, 21.550, 293.860

Previews

White Background



This preview shows how the CIELCh color 77, 51.524, 109.162 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 77, 51.524, 109.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

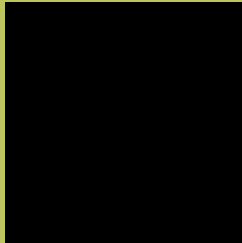
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 51.524, 109.162

Background



This preview shows how black text looks on a background with the CIELCh color 77, 51.524, 109.162.



This preview shows how white text looks on a background with the CIELCh color 77, 51.524, 109.162.

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, 51.524, 109.162

Protanopia
77, 50.107, 95.559

Deuteranopia
77, 48.498, 78.225



Tritanopia
77, 9.141, 324.795

Trichromacy



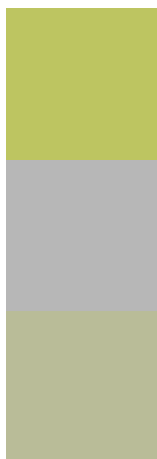
Original Color
77, 51.524, 109.162

Protanomaly
77, 49.883, 100.542

Deuteranomaly
77, 47.992, 90.065

Tritanomaly
77, 15.131, 99.834

Monochromacy



Original Color
77, 51.524, 109.162

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 19.293, 111.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 51.524, 109.162 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(189, 197, 97)` looks like.

```
.text, #text, p{  
    color:rgb(189, 197, 97)  
}
```

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(189, 197, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 197, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 51.524, 109.162 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(189, 197, 97) }
```

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

```
.border{ border-color:rgb(189, 197, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 197, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 197, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 197, 97);  
box-shadow:4px 4px 4px 4px rgb(189, 197,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 51.524, 109.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 197, 97) }
```

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

```
.background{ background-color: rgb(189,  
197, 97) }
```

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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