

Converting Colors

CIELCh(77, 5.306, 80.477)

Have a look what the booklet for
CIELCh(77, 5.306, 80.477) contains.

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Color

CIELCh(77, 5.480, 80.792)

Conversions

Conversions Part 1

Format	Color
Hex	C4BDB4
RGB	196, 189, 180
RGB Percent	77%, 74%, 71%
CMY	0.2307, 0.2581, 0.2934
CMYK	0.00, 0.04, 0.08, 0.23
HSL	34°, 12%, 74%
HSV	34°, 8%, 77%
XYZ	49.3015, 51.5317, 50.6200
YIQ	190.0670, 7.0610, -1.3150

Conversions

Conversions Part 2

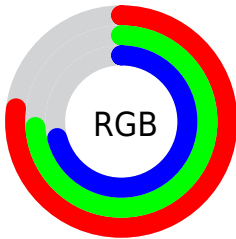
Format	Color
RYB	192, 196, 180
Decimal	12893620
CIELab	77.00, 0.88, 5.41
CIElCh	77, 5.480, 80.792
Yxy	51.5317, 0.3255, 0.3402
Android (android.graphics.Color)	4291083700 (0xFFC4BDB4)
YUV	190.0670, -4.9630, 5.2032
Hunter-Lab	71.7856, -3.0331, 8.4413

Details

The CIELCh color $77, 5.480, 80.792$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $76, 5.425, 263.021$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 5.390, 77.620$, and $57, 5.652, 84.083$ is the 20% darker color. If you saturate the color by 10%, you get $74, 12.429, 79.561$, and if you desaturate by 10%, it is $80, 1.226, 262.375$.

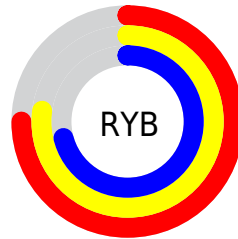
Distribution



Red (77%)

Green (74%)

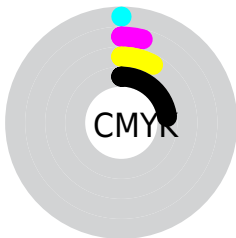
Blue (71%)



Red (75%)

Yellow (77%)

Blue (71%)

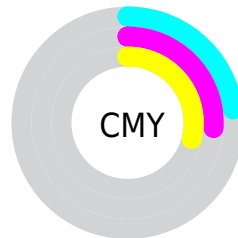


Cyan (0%)

Magenta (4%)

Yellow (8%)

Black (23%)



Cyan (23%)

Magenta (26%)

Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 5.480, 80.792 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, 5.480, 80.792 by changing the saturation by 10% instead.

 77, 5.480, 80.792  77, 5.480, 80.792

 100, 5.480, 80.792  67, 5.480, 80.792

 97, 5.480, 80.792  57, 5.480, 80.792

 47, 5.480, 80.792


 37, 5.480, 80.792

 27, 5.480, 80.792

 17, 5.480, 80.792

 7, 5.480, 80.792

 0, 5.480, 80.792

 77, 5.480, 80.792  77, 5.480, 80.792

74, 12.429, 79.561

80, 1.226, 262.375

72, 19.629, 78.253

82, 7.711, 263.366

69, 27.078, 76.911

85, 13.994,
264.507

67, 34.744, 75.536

88, 18.446,
262.682

64, 42.534, 74.116

62, 50.248, 72.612

90, 16.424,
245.606

60, 57.489, 70.934

92, 16.101,
226.175

57, 63.568, 68.899

55, 67.789, 66.301

95, 17.521,
208.180

96, 19.260,
198.234

Harmonies

Complementary

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



77, 5.480, 80.792



76, 5.425, 263.021

Rectangle

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



77, 5.480, 80.792



77, 5.480, 130.792



77, 5.480, 260.792



77, 5.480, 310.792

Sweetspot

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



77, 5.481, 80.814



99, 1.638, 81.407



75, 7.149, 347.082



53, 0.931, 81.407



0, 0.000, 0.000



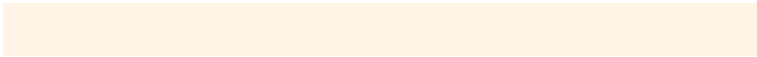
53, 0.007, 296.813

Same Dimension

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



77, 5.481, 80.814



97, 8.344, 80.572



79, 8.519, 111.427



40, 3.780, 80.669



46, 59.002, 66.408



7, 11.682, 65.633

Inverse Universe

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



76, 5.425, 263.021



95, 8.227, 263.294



74, 8.686, 292.907



39, 3.732, 263.184



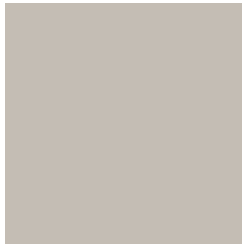
32, 57.126, 289.155



4, 13.688, 274.099

Previews

White Background



This preview shows how the CIELCh color 77, 5.480, 80.792 looks on a white background.

Color Contrast Check

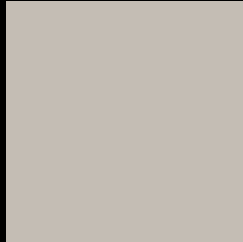
Large Text (above 18pt) WCAG AA × Fail

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, 5.480, 80.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

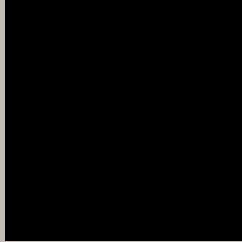
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

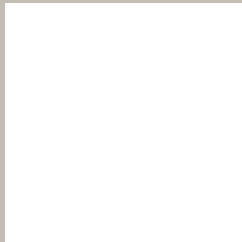
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 5.480, 80.792

Background



This preview shows how black text looks on a background with the CIELCh color 77, 5.480, 80.792.

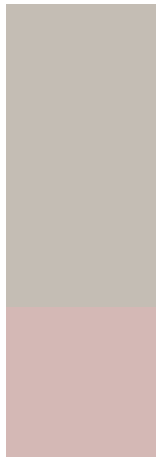


This preview shows how white text looks on a background with the CIELCh color 77, 5.480, 80.792.

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, 5.480, 80.792

Protanopia

77, 5.480, 80.792

Deuteranopia

77, 10.845, 28.683



Tritanopia
77, 9.396, 321.089

Trichromacy



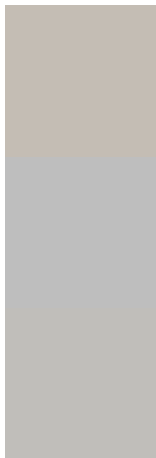
Original Color
77, 5.480, 80.792

Protanomaly
77, 5.480, 80.792

Deuteranomaly
77, 8.077, 39.196

Tritanomaly
77, 5.215, 341.642

Monochromacy



Original Color
77, 5.480, 80.792

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 2.253, 90.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 5.480, 80.792 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(196, 189, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 189, 180)  
}
```

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(196, 189, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 189, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 5.480, 80.792 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(196, 189, 180) }
```

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

```
.border{ border-color:rgb(196, 189, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 189, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 189, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 189, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 189,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 5.480, 80.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 189, 180) }
```

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

```
.background{ background-color: rgb(196,  
189, 180) }
```

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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