

Converting Colors

CIELCh(77, 38.857, 106.514)

Have a look what the booklet for
CIELCh(77, 38.857, 106.514)
contains.

| | |
|--|----|
| CIELCh(77, 38.827, 106.531) | 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, 38.827, 106.531)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C2C278 |
| RGB | 194, 194, 120 |
| RGB Percent | 76%, 76%, 47% |
| CMY | 0.2384, 0.2384, 0.5287 |
| CMYK | 0.00, 0.00, 0.38, 0.24 |
| HSL | 60°, 38%, 62% |
| HSV | 60°, 38%, 76% |
| XYZ | 45.0404, 51.5317, 25.4030 |
| YIQ | 185.5640, 23.7540, -23.0140 |

Conversions

Conversions Part 2

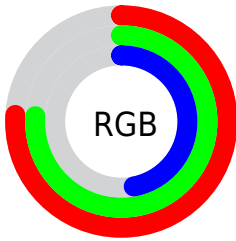
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 120, 194, 120 |
| Decimal | 12763768 |
| CIELab | 77.00, -11.05, 37.22 |
| CIELCh | 77, 38.827, 106.531 |
| Yxy | 51.5317, 0.3693, 0.4225 |
| Android (android.graphics.Color) | 4290953848 (0xFFC2C278) |
| YUV | 185.5640, -32.3231, 7.3984 |
| Hunter-Lab | 71.7856, -13.6287, 29.2688 |

Details

The CIELCh color $77, 38.827, 106.531$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $53, 42.773, 295.177$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 38.762, 106.024$, and $57, 38.947, 106.869$ is the 20% darker color. If you saturate the color by 10%, you get $77, 48.384, 105.632$, and if you desaturate by 10%, it is $77, 28.878, 107.477$.

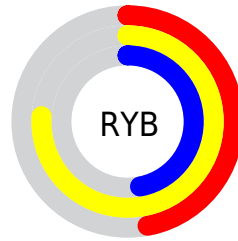
Distribution



Red (76%)

Green (76%)

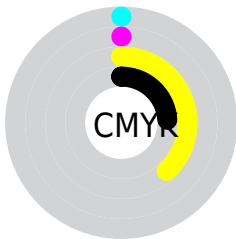
Blue (47%)



Red (47%)

Yellow (76%)

Blue (47%)

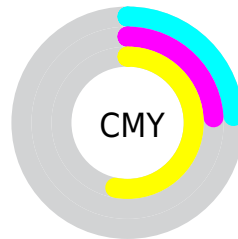


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (24%)



Cyan (24%)


Magenta (24%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 38.827, 106.531 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, 38.827, 106.531 by changing the saturation by 10% instead.


 77, 38.827,
106.531


 77, 38.827,
106.531


 100, 38.827,
106.531


 67, 38.827,
106.531


 97, 38.827,
106.531

 57, 38.827,
106.531

 47, 38.827,
106.531

 37, 38.827,
106.531

 27, 38.827,
106.531

 17, 38.827,
106.531

 7, 38.827, 106.531

0, 38.827, 106.531

77, 38.827,
106.531

77, 38.827,
106.531

77, 48.384,
105.632

77, 28.878,
107.477

77, 57.295,
104.801

78, 18.698,
108.439

76, 65.201,
104.076

78, 8.393, 109.398

76, 71.639,
103.496

79, 1.969, 290.389

76, 76.138,
103.098

79, 12.342,
291.290

76, 78.579,
102.885

80, 22.696,
292.185

80, 32.406,

■ 76, 78.954,
102.852

292.995

■ 80, 32.406,
292.995

■ 80, 32.406,
292.995

Harmonies

Complementary

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



77, 38.827, 106.531



53, 42.773, 295.177

Rectangle

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



77, 38.827, 106.531



77, 38.827, 156.531



77, 38.827, 286.531



77, 38.827, 336.531

Sweetspot

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



77, 38.828, 106.534



98, 14.078, 109.106



58, 31.430, 22.983



53, 9.534, 108.973



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, 38.828, 106.534



97, 57.363, 105.754



74, 41.806, 127.293



41, 5.855, 109.279



64, 68.599, 102.852



12, 18.617, 106.715

Inverse Universe

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



53, 42.773, 295.177



62, 65.058, 296.771



57, 44.138, 310.958



37, 5.984, 291.142



18, 94.724, 306.287



1, 19.479, 291.135

Previews

White Background



This preview shows how the CIELCh color 77, 38.827, 106.531 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, 38.827, 106.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

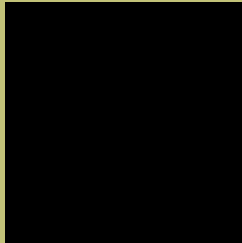
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 38.827, 106.531

Background



This preview shows how black text looks on a background with the CIELCh color 77, 38.827, 106.531.

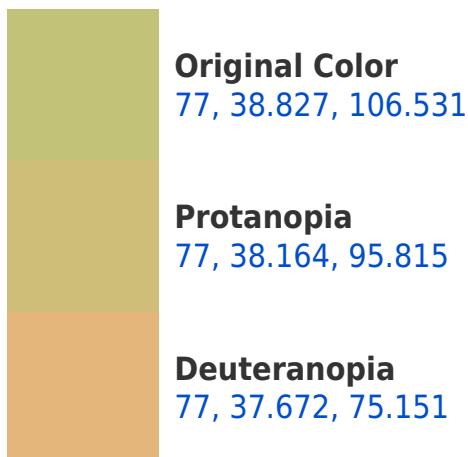


This preview shows how white text looks on a background with the CIELCh color 77, 38.827, 106.531.

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





Tritanopia
77, 10.051, 331.845

Trichromacy



Original Color
77, 38.827, 106.531

Protanomaly
77, 38.630, 100.325

Deuteranomaly
77, 36.421, 86.561

Tritanomaly
77, 10.691, 83.487

Monochromacy



Original Color
77, 38.827, 106.531

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 14.443, 108.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 38.827, 106.531 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(194, 194, 120)` looks like.

```
.text, #text, p{  
    color:rgb(194, 194, 120)  
}
```

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(194, 194, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 194, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 38.827, 106.531 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(194, 194, 120) }
```

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

```
.border{ border-color:rgb(194, 194, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 194, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 194, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 194, 120);  
box-shadow:4px 4px 4px 4px rgb(194, 194,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 38.827, 106.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 194, 120) }
```

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

```
.background{ background-color: rgb(194,  
194, 120) }
```

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