

Converting Colors

CIELCh(77, 40.735, 137.516)

Have a look what the booklet for
CIELCh(77, 40.735, 137.516)
contains.

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Color

CIELCh(77, 40.658, 137.585)

Conversions

Conversions Part 1

Format	Color
Hex	96CC8A
RGB	150, 204, 138
RGB Percent	59%, 80%, 54%
CMY	0.4116, 0.1998, 0.4587
CMYK	0.26, 0.00, 0.32, 0.20
HSL	109°, 39%, 67%
HSV	109°, 32%, 80%
XYZ	38.7799, 51.5317, 31.9634
YIQ	180.3300, -10.9980, -31.9740

Conversions

Conversions Part 2

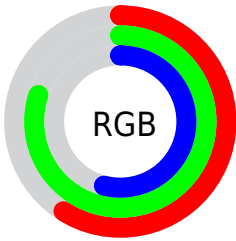
Format	Color
RYB	138, 204, 192
Decimal	9882762
CIELab	77.00, -30.02, 27.42
CIELCh	77, 40.658, 137.585
Yxy	51.5317, 0.3172, 0.4214
Android (android.graphics.Color)	4288072842 (0xFF96CC8A)
YUV	180.3300, -20.8687, -26.5994
Hunter-Lab	71.7856, -29.1960, 23.8504

Details

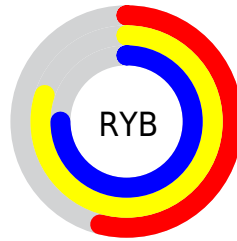
The CIELCh color **77, 40.658, 137.585** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **65, 41.185, 320.794**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 36.969, 137.356**, and **57, 41.177, 137.592** is the 20% darker color. If you saturate the color by 10%, you get **76, 52.915, 136.903**, and if you desaturate by 10%, it is **78, 28.117, 138.213**.

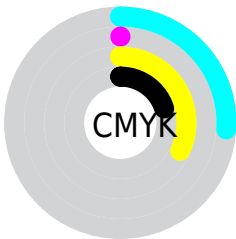
Distribution



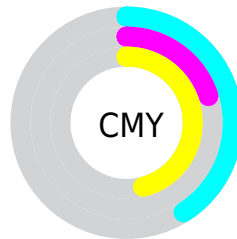
- Red (59%)
- Green (80%)
- Blue (54%)



- Red (54%)
- Yellow (80%)
- Blue (75%)



- Cyan (26%)
- Magenta (0%)
- Yellow (32%)
- Black (20%)



- Cyan (41%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 40.658, 137.585 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, 40.658, 137.585 by changing the saturation by 10% instead.

 77, 40.658,
137.585

 77, 40.658,
137.585


 100, 40.658,
137.585

 67, 40.658,
137.585

 97, 40.658,
137.585

 57, 40.658,
137.585

 47, 40.658,
137.585

 37, 40.658,
137.585

 27, 40.658,
137.585

 17, 40.658,
137.585

 7, 40.658, 137.585

■ 0, 40.658, 137.585

■ 77, 40.658,
137.585

■ 77, 40.658,
137.585

■ 76, 52.915,
136.903

■ 78, 28.117,
138.213

■ 75, 64.613,
136.194

■ 80, 15.489,
138.775

■ 74, 75.391,
135.514

■ 82, 2.921, 139.322

■ 73, 84.783,
134.957

■ 83, 9.482, 319.646

■ 73, 92.251,
134.649

■ 85, 21.649,
320.020

■ 72, 97.330,
134.705

■ 87, 31.105,
322.864

■ 88, 31.951,

■ 72, 99.763,
134.917

325.536

Harmonies

Complementary

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



77, 40.658, 137.585



65, 41.185, 320.794

Rectangle

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



77, 40.658, 137.585



77, 40.658, 187.585



77, 40.658, 317.585



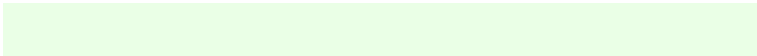
77, 40.658, 7.585

Sweetspot

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



77, 40.660, 137.586



98, 15.014, 138.892



77, 29.013, 97.664



52, 10.251, 138.818



0, 0.000, 0.000



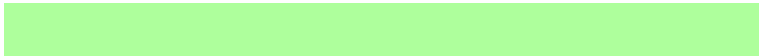
53, 0.007, 296.813

Same Dimension

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



77, 40.660, 137.586



93, 58.528, 137.101



77, 34.259, 152.279



42, 7.102, 138.931



59, 85.333, 134.787



12, 27.187, 139.239

Inverse Universe

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



65, 41.185, 320.794



75, 59.404, 321.094



65, 34.693, 337.371



40, 7.139, 319.753



34, 85.069, 321.400



4, 27.161, 320.191

Previews

White Background



This preview shows how the CIELCh color 77, 40.658, 137.585 looks on a white background.

Color Contrast Check

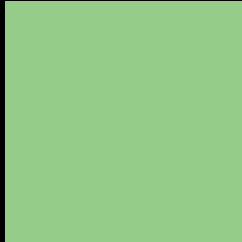
Large Text (above 18pt) WCAG AA × Fail

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, 40.658, 137.585 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, 40.658, 137.585

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.658, 137.585.

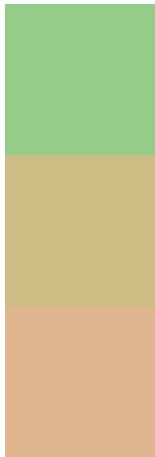


This preview shows how white text looks on a background with the CIELCh color 77, 40.658, 137.585.

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](#).

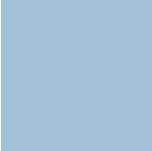
Dichromacy



Original Color
77, 40.658, 137.585

Protanopia
77, 31.011, 94.975

Deuteranopia
77, 27.128, 69.645



Tritanopia
77, 13.868, 237.247

Trichromacy



Original Color
77, 40.658, 137.585

Protanomaly
76, 31.918, 113.761

Deuteranomaly
76, 26.172, 102.372

Tritanomaly
77, 16.323, 170.704

Monochromacy



Original Color
77, 40.658, 137.585

Achromatopsia
73, 0.009, 296.813

Achromatomaly
75, 15.039, 139.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.658, 137.585 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(150, 204, 138)` looks like.

```
.text, #text, p{  
    color:rgb(150, 204, 138)  
}
```

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(150, 204, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 204, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.658, 137.585 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(150, 204, 138) }
```

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

```
.border{ border-color:rgb(150, 204, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 204, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 204, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 204, 138);  
box-shadow:4px 4px 4px 4px rgb(150, 204,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.658, 137.585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 204, 138) }
```

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

```
.background{ background-color: rgb(150,  
204, 138) }
```

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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