

Converting Colors

CIELCh(75, 35.877, 137.171)

Have a look what the booklet for
CIELCh(75, 35.877, 137.171)
contains.

CIELCh(75, 35.709, 137.078)	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(75, 35.709, 137.078)

Conversions

Conversions Part 1

Format	Color
Hex	97C58B
RGB	151, 197, 139
RGB Percent	59%, 77%, 55%
CMY	0.4085, 0.2281, 0.4555
CMYK	0.23, 0.00, 0.29, 0.23
HSL	108°, 33%, 66%
HSV	108°, 29%, 77%
XYZ	37.3079, 48.2781, 31.7169
YIQ	176.6340, -8.7980, -27.7900

Conversions

Conversions Part 2

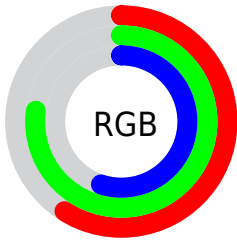
Format	Color
RYB	139, 197, 185
Decimal	9946507
CIELab	75.00, -26.15, 24.32
CIELCh	75, 35.709, 137.078
Yxy	48.2781, 0.3180, 0.4116
Android (android.graphics.Color)	4288136587 (0xFF97C58B)
YUV	176.6340, -18.5536, -22.4810
Hunter-Lab	69.4824, -25.7506, 21.5734

Details

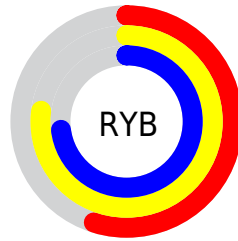
The CIELCh color **75, 35.709, 137.078** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **64, 36.210, 319.899**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 35.746, 137.203**, and **55, 35.893, 136.754** is the 20% darker color. If you saturate the color by 10%, you get **74, 47.630, 136.440**, and if you desaturate by 10%, it is **76, 23.584, 137.665**.

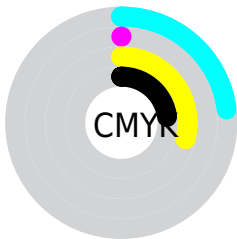
Distribution



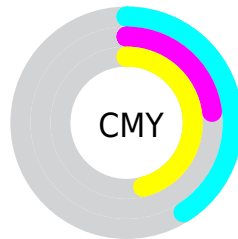
- Red (59%)
- Green (77%)
- Blue (55%)



- Red (55%)
- Yellow (77%)
- Blue (73%)



- Cyan (23%)
- Magenta (0%)
- Yellow (29%)
- Black (23%)





- Cyan (41%)
- Magenta (23%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 35.709, 137.078 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 75, 35.709, 137.078 by changing the saturation by 10% instead.


 75, 35.709,
137.078


 75, 35.709,
137.078


 100, 35.709,
137.078


 65, 35.709,
137.078


 95, 35.709,
137.078

 55, 35.709,
137.078

 45, 35.709,
137.078

 35, 35.709,
137.078

 25, 35.709,
137.078

 15, 35.709,
137.078

 5, 35.709, 137.078

0, 35.709, 137.078

75, 35.709,
137.078

75, 35.709,
137.078

74, 47.630,
136.440

76, 23.584,
137.665

73, 59.111,
135.773

78, 11.422,
138.193

72, 69.839,
135.125

80, 0.654, 318.318

71, 79.402,
134.578

81, 12.555,
319.008

70, 87.296,
134.250

83, 24.224,
319.355

70, 93.028,
134.266

85, 34.740,
320.429

■ 70, 96.561,
134.600

■ 86, 36.482,
325.692

■ 70, 96.725,
134.612

Harmonies

Complementary

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



75, 35.709, 137.078



64, 36.210, 319.899

Rectangle

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



75, 35.709, 137.078



75, 35.709, 187.078



75, 35.709, 317.078



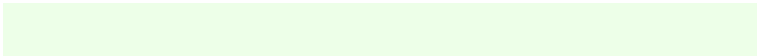
75, 35.709, 7.078

Sweetspot

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



75, 35.711, 137.079



98, 13.402, 138.210



75, 24.859, 95.910



52, 9.320, 138.135



0, 0.000, 0.000



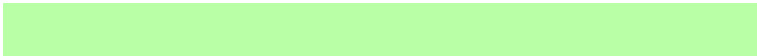
53, 0.007, 296.813

Same Dimension

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



75, 35.711, 137.079



94, 52.242, 136.696



75, 31.125, 151.287



41, 6.903, 138.197



59, 84.025, 134.479



11, 25.100, 139.478

Inverse Universe

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



64, 36.210, 319.899



77, 53.100, 320.158



65, 31.416, 335.693



39, 6.942, 318.999



33, 84.398, 320.533



3, 24.394, 318.099

Previews

White Background



This preview shows how the CIELCh color 75, 35.709, 137.078 looks on a white background.

Color Contrast Check

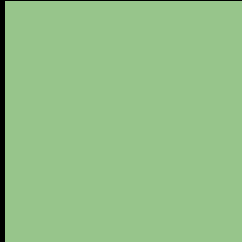
Large Text (above 18pt) WCAG AA × Fail

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 75, 35.709, 137.078 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 75, 35.709, 137.078

Background



This preview shows how black text looks on a background with the CIELCh color 75, 35.709, 137.078.



This preview shows how white text looks on a background with the CIELCh color 75, 35.709, 137.078.

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
75, 35.709, 137.078

Protanopia
75, 27.882, 95.579

Deuteranopia
75, 24.575, 67.620



Tritanopia
75, 12.129, 240.955

Trichromacy



Original Color
75, 35.709, 137.078

Protanomaly
75, 28.908, 113.860

Deuteranomaly
74, 23.261, 99.925

Tritanomaly
75, 14.015, 170.773

Monochromacy



Original Color
75, 35.709, 137.078

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 13.594, 137.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 35.709, 137.078 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(151, 197, 139)` looks like.

```
.text, #text, p{  
    color:rgb(151, 197, 139)  
}
```

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(151, 197, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 197, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 35.709, 137.078 is called "border". The border property can be set on classes, ids or directly on the HTML element.

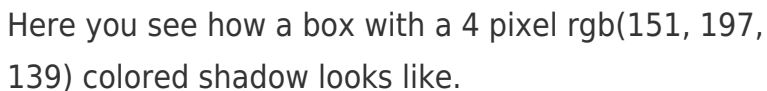
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 197, 139) }
```

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

```
.border{ border-color:rgb(151, 197, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 197, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 197, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 197, 139); box-shadow:4px 4px 4px 4px rgb(151, 197, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 35.709, 137.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 197, 139) }
```

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

```
.background{ background-color: rgb(151,  
197, 139) }
```

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