

Converting Colors

CIELCh(75, 39.659, 133.556)

Have a look what the booklet for
CIELCh(75, 39.659, 133.556)
contains.

CIELCh(75, 39.696, 133.218)	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, 39.696, 133.218)

Conversions

Conversions Part 1

Format	Color
Hex	98C582
RGB	152, 197, 130
RGB Percent	60%, 77%, 51%
CMY	0.4035, 0.2270, 0.4898
CMYK	0.23, 0.00, 0.34, 0.23
HSL	100°, 37%, 64%
HSV	100°, 34%, 77%
XYZ	36.9927, 48.2781, 28.5216
YIQ	175.9070, -5.3130, -30.3770

Conversions

Conversions Part 2

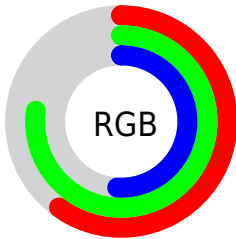
Format	Color
RYB	130, 197, 175
Decimal	10012034
CIELab	75.00, -27.18, 28.93
CIELCh	75, 39.696, 133.218
Yxy	48.2781, 0.3251, 0.4243
Android (android.graphics.Color)	4288202114 (0xFF98C582)
YUV	175.9070, -22.6322, -20.9664
Hunter-Lab	69.4824, -26.5603, 24.3000

Details

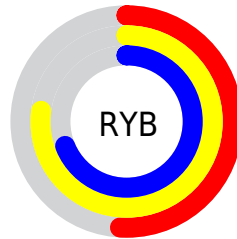
The CIELCh color **75, 39.696, 133.218** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **61, 40.837, 316.283**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 40.052, 133.212**, and **55, 39.511, 133.068** is the 20% darker color. If you saturate the color by 10%, you get **74, 51.047, 132.684**, and if you desaturate by 10%, it is **76, 28.077, 133.742**.

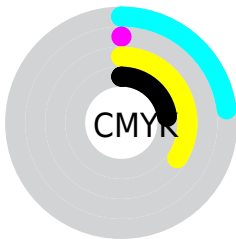
Distribution



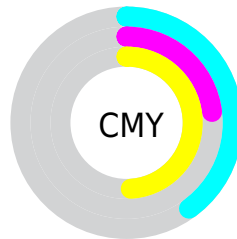
- Red (60%)
- Green (77%)
- Blue (51%)



- Red (51%)
- Yellow (77%)
- Blue (69%)



- Cyan (23%)
- Magenta (0%)
- Yellow (34%)
- Black (23%)





- Cyan (40%)
- Magenta (23%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 39.696, 133.218 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, 39.696, 133.218 by changing the saturation by 10% instead.


 75, 39.696,
133.218

 75, 39.696,
133.218


 100, 39.696,
133.218


 65, 39.696,
133.218


 95, 39.696,
133.218

 55, 39.696,
133.218

 45, 39.696,
133.218

 35, 39.696,
133.218

 25, 39.696,
133.218

 15, 39.696,
133.218

 5, 39.696, 133.218

0, 39.696, 133.218

75, 39.696,
133.218

75, 39.696,
133.218

74, 51.047,
132.684

76, 28.077,
133.742

73, 61.889,
132.179

78, 16.352,
134.233

72, 71.898,
131.770

79, 4.645, 134.702

71, 80.640,
131.559

80, 6.960, 315.036

71, 87.617,
131.675

82, 18.402,
315.400

70, 92.422,
132.223

84, 29.639,
315.708

85, 34.607,

■ 70, 94.489,
132.664

320.534

■ 86, 36.311,
325.686

Harmonies

Complementary

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



75, 39.696, 133.218



61, 40.837, 316.283

Rectangle

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



75, 39.696, 133.218



75, 39.696, 183.218



75, 39.696, 313.218



75, 39.696, 3.218

Sweetspot

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



75, 39.698, 133.219



98, 14.379, 134.413



72, 25.932, 86.745



52, 9.816, 134.347



0, 0.000, 0.000



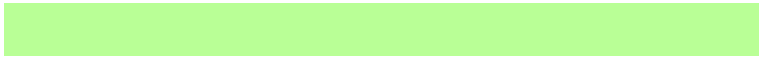
53, 0.007, 296.813

Same Dimension

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



75, 39.698, 133.219



93, 58.748, 132.810



74, 39.150, 146.784



41, 6.662, 134.448



59, 81.957, 132.476



11, 24.255, 136.764

Inverse Universe

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



61, 40.837, 316.283



73, 60.815, 316.603



63, 39.245, 331.499



39, 6.721, 315.202



29, 86.165, 316.576



3, 23.326, 312.730

Previews

White Background



This preview shows how the CIELCh color 75, 39.696, 133.218 looks on a white background.

Color Contrast Check

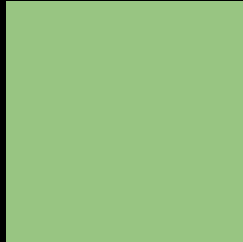
Large Text (above 18pt) WCAG AA × Fail

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, 39.696, 133.218 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, 39.696, 133.218

Background



This preview shows how black text looks on a background with the CIELCh color 75, 39.696, 133.218.



This preview shows how white text looks on a background with the CIELCh color 75, 39.696, 133.218.

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, 39.696, 133.218

Protanopia
75, 32.089, 95.867

Deuteranopia
75, 28.485, 70.047



Tritanopia
75, 11.422, 244.327

Trichromacy



Original Color
75, 39.696, 133.218

Protanomaly
75, 32.993, 112.018

Deuteranomaly
74, 27.572, 98.949

Tritanomaly
75, 14.054, 163.147

Monochromacy



Original Color
75, 39.696, 133.218

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 15.043, 134.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 39.696, 133.218 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(152, 197, 130)` looks like.

```
.text, #text, p{  
    color:rgb(152, 197, 130)  
}
```

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(152, 197, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 197, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 39.696, 133.218 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(152, 197, 130) }
```

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

```
.border{ border-color:rgb(152, 197, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 197, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 197, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 197, 130); box-shadow:4px 4px 4px 4px rgb(152, 197, 130) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 39.696, 133.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 197, 130) }
```

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

```
.background{ background-color: rgb(152,  
197, 130) }
```

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