

Converting Colors

CIELCh(75, 41.836, 134.520)

Have a look what the booklet for
CIELCh(75, 41.836, 134.520)
contains.

CIELCh(75, 41.945, 134.442)	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, 41.945, 134.442)

Conversions

Conversions Part 1

Format	Color
Hex	94C680
RGB	148, 198, 128
RGB Percent	58%, 78%, 50%
CMY	0.4194, 0.2233, 0.4978
CMYK	0.25, 0.00, 0.35, 0.22
HSL	103°, 38%, 64%
HSV	103°, 35%, 78%
XYZ	36.3320, 48.2781, 27.8460
YIQ	175.0700, -7.3300, -32.3700

Conversions

Conversions Part 2

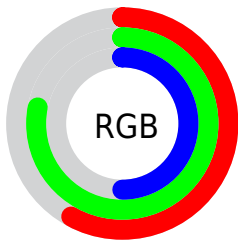
Format	Color
RYB	128, 198, 178
Decimal	9750144
CIELab	75.00, -29.37, 29.95
CIELCh	75, 41.945, 134.442
Yxy	48.2781, 0.3231, 0.4293
Android (android.graphics.Color)	4287940224 (0xFF94C680)
YUV	175.0700, -23.2055, -23.7404
Hunter-Lab	69.4824, -28.2577, 24.8764

Details

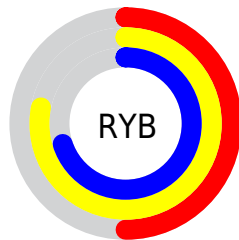
The CIELCh color **75, 41.945, 134.442** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **61, 42.991, 317.691**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 42.212, 134.420**, and **55, 42.029, 134.707** is the 20% darker color. If you saturate the color by 10%, you get **74, 53.434, 133.871**, and if you desaturate by 10%, it is **76, 30.150, 134.996**.

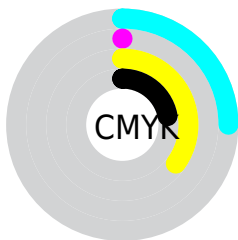
Distribution



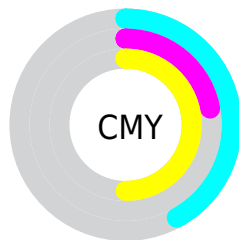
- Red (58%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (70%)



- Cyan (25%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)





- Cyan (42%)
- Magenta (22%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 41.945, 134.442 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, 41.945, 134.442 by changing the saturation by 10% instead.


 75, 41.945,
134.442


 75, 41.945,
134.442


 100, 41.945,
134.442


 65, 41.945,
134.442


 95, 41.945,
134.442

 55, 41.945,
134.442

 45, 41.945,
134.442

 35, 41.945,
134.442

 25, 41.945,
134.442

 15, 41.945,
134.442

 5, 41.945, 134.442

0, 41.945, 134.442

75, 41.945,
134.442

75, 41.945,
134.442

74, 53.434,
133.871

76, 30.150,
134.996

73, 64.355,
133.323

78, 18.229,
135.511

72, 74.357,
132.870

79, 6.318, 135.990

71, 82.984,
132.616

81, 5.487, 316.335

82, 17.119,
316.715

71, 89.726,
132.690

84, 28.533,
317.029

71, 94.207,
133.189

86, 34.366,

■ 70, 95.765,
133.464

321.655

■ 86, 35.709,
325.666

Harmonies

Complementary

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



75, 41.945, 134.442



61, 42.991, 317.691

Rectangle

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



75, 41.945, 134.442



75, 41.945, 184.442



75, 41.945, 314.442



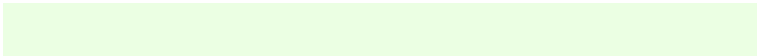
75, 41.945, 4.442

Sweetspot

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



75, 41.947, 134.443



98, 16.018, 135.713



73, 27.860, 89.217



52, 10.769, 135.647



0, 0.000, 0.000



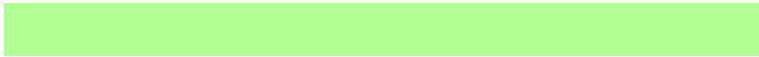
53, 0.007, 296.813

Same Dimension

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



75, 41.947, 134.443



93, 60.910, 134.027



74, 39.849, 147.737



41, 6.744, 135.798



59, 82.770, 133.290



11, 24.557, 137.772

Inverse Universe

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



61, 42.991, 317.691



72, 62.718, 317.986



62, 40.001, 332.811



39, 6.796, 316.560



30, 85.489, 317.905



3, 23.659, 314.576

Previews

White Background



This preview shows how the CIELCh color 75, 41.945, 134.442 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, 41.945, 134.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

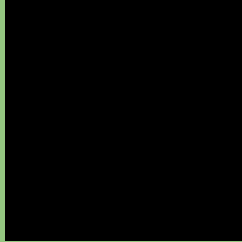
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 41.945, 134.442

Background



This preview shows how black text looks on a background with the CIELCh color 75, 41.945, 134.442.



This preview shows how white text looks on a background with the CIELCh color 75, 41.945, 134.442.

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, 41.945, 134.442

Protanopia
75, 33.712, 95.486

Deuteranopia
75, 29.372, 71.147



Tritanopia
75, 12.621, 238.944

Trichromacy



Original Color
75, 41.945, 134.442

Protanomaly
75, 34.571, 112.340

Deuteranomaly
74, 28.553, 99.959

Tritanomaly
75, 15.824, 165.091

Monochromacy



Original Color
75, 41.945, 134.442

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 15.234, 135.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 41.945, 134.442 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(148, 198, 128)` looks like.

```
.text, #text, p{  
    color:rgb(148, 198, 128)  
}
```

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(148, 198, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 198, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 41.945, 134.442 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(148, 198, 128) }
```

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

```
.border{ border-color:rgb(148, 198, 128) }
```

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

Here you see how a box with a 4 pixel rgb(148, 198, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 198, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 198, 128);  
box-shadow:4px 4px 4px 4px rgb(148, 198,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 41.945, 134.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 198, 128) }
```

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

```
.background{ background-color: rgb(148,  
198, 128) }
```

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