

Converting Colors

CIELCh(75, 50.438, 126.004)

Have a look what the booklet for
CIELCh(75, 50.438, 126.004)
contains.

CIELCh(75, 50.490, 125.944)	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, 50.490, 125.944)

Conversions

Conversions Part 1

Format	Color
Hex	9BC66B
RGB	155, 198, 107
RGB Percent	61%, 78%, 42%
CMY	0.3931, 0.2245, 0.5813
CMYK	0.22, 0.00, 0.46, 0.22
HSL	88°, 44%, 60%
HSV	88°, 46%, 78%
XYZ	36.2515, 48.2781, 21.2555
YIQ	174.7690, 3.5830, -37.4170

Conversions

Conversions Part 2

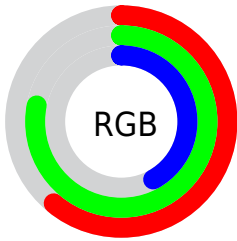
Format	Color
RYB	107, 198, 150
Decimal	10208875
CIELab	75.00, -29.64, 40.88
CIELCh	75, 50.490, 125.944
Yxy	48.2781, 0.3427, 0.4564
Android (android.graphics.Color)	4288398955 (0xFF9BC66B)
YUV	174.7690, -33.4101, -17.3374
Hunter-Lab	69.4824, -28.4643, 30.5002

Details

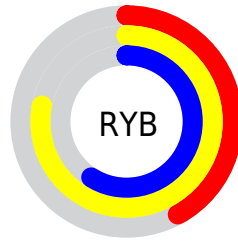
The CIELCh color **75, 50.490, 125.944** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **53, 54.251, 310.530**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 50.510, 125.969**, and **55, 50.316, 125.852** is the 20% darker color. If you saturate the color by 10%, you get **74, 60.588, 125.570**, and if you desaturate by 10%, it is **76, 39.858, 126.402**.

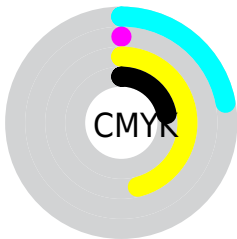
Distribution



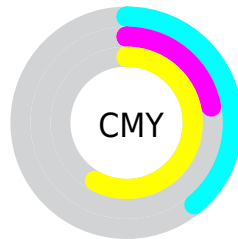
- Red (61%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (59%)



- Cyan (22%)
- Magenta (0%)
- Yellow (46%)
- Black (22%)





- Cyan (39%)
- Magenta (22%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 50.490, 125.944 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, 50.490, 125.944 by changing the saturation by 10% instead.


 75, 50.490,
125.944


 75, 50.490,
125.944


 100, 50.490,
125.944


 65, 50.490,
125.944


 95, 50.490,
125.944

 55, 50.490,
125.944

 45, 50.490,
125.944

 35, 50.490,
125.944

 25, 50.490,
125.944

 15, 50.490,
125.944

 5, 50.490, 125.944

0, 50.490, 125.944

75, 50.490,
125.944

75, 50.490,
125.944

74, 60.588,
125.570

76, 39.858,
126.402

73, 69.825,
125.352

77, 28.915,
126.890

73, 77.771,
125.401

78, 17.818,
127.379

72, 83.949,
125.841

79, 6.675, 127.856

72, 88.047,
126.766

80, 4.440, 308.253

82, 15.471,
308.674

72, 89.353,
127.187

83, 26.381,

309.045

■ 84, 32.202,
311.983

■ 85, 33.343,
317.277

Harmonies

Complementary

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



75, 50.490, 125.944



53, 54.251, 310.530

Rectangle

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



75, 50.490, 125.944



75, 50.490, 175.944



75, 50.490, 305.944



75, 50.490, 355.944

Sweetspot

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



75, 50.491, 125.945



98, 19.154, 127.465



65, 32.154, 66.309



52, 13.225, 127.360



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, 50.491, 125.945



93, 73.158, 125.575



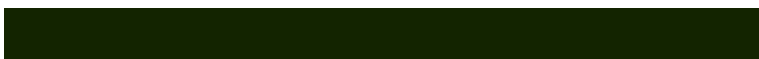
73, 58.374, 140.115



41, 6.337, 127.695



60, 77.317, 126.955



12, 22.644, 130.386

Inverse Universe

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



53, 54.251, 310.530



61, 80.012, 311.071



58, 58.325, 325.857



39, 6.428, 308.526



24, 89.793, 311.398



2, 22.262, 304.945

Previews

White Background



This preview shows how the CIELCh color 75, 50.490, 125.944 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 75, 50.490, 125.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

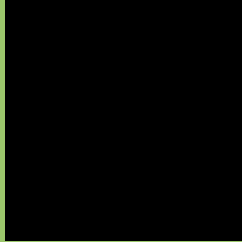
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 50.490, 125.944

Background



This preview shows how black text looks on a background with the CIELCh color 75, 50.490, 125.944.

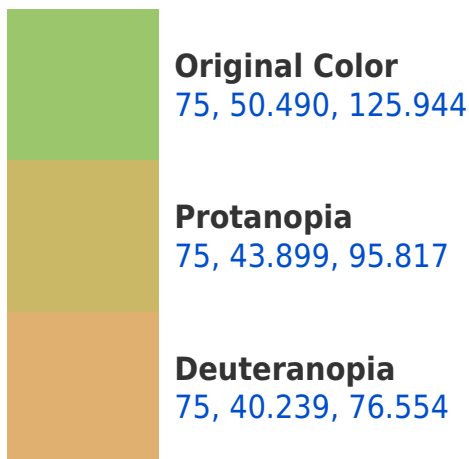


This preview shows how white text looks on a background with the CIELCh color 75, 50.490, 125.944.

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
75, 10.322, 251.008

Trichromacy



Original Color
75, 50.490, 125.944

Protanomaly
75, 44.485, 108.092

Deuteranomaly
74, 39.625, 97.719

Tritanomaly
75, 16.742, 147.678

Monochromacy



Original Color
75, 50.490, 125.944

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 18.767, 126.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 50.490, 125.944 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(155, 198, 107)` looks like.

```
.text, #text, p{  
    color:rgb(155, 198, 107)  
}
```

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(155, 198, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 198, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 50.490, 125.944 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(155, 198, 107) }
```

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

```
.border{ border-color:rgb(155, 198, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 198, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 198, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 198, 107);  
box-shadow:4px 4px 4px 4px rgb(155, 198,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 50.490, 125.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 198, 107) }
```

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

```
.background{ background-color: rgb(155,  
198, 107) }
```

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