

Converting Colors

CIELCh(75, 45.883, 126.699)

Have a look what the booklet for
CIELCh(75, 45.883, 126.699)
contains.

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Color

CIELCh(75, 45.919, 126.690)

Conversions

Conversions Part 1

Format	Color
Hex	9DC573
RGB	157, 197, 115
RGB Percent	62%, 77%, 45%
CMY	0.3847, 0.2278, 0.5494
CMYK	0.20, 0.00, 0.42, 0.23
HSL	89°, 41%, 61%
HSV	89°, 42%, 77%
XYZ	36.9158, 48.2781, 23.5629
YIQ	175.6920, 2.4820, -33.9820

Conversions

Conversions Part 2

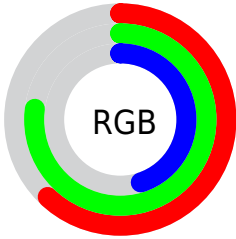
Format	Color
RYB	115, 197, 155
Decimal	10339699
CIELab	75.00, -27.44, 36.82
CIELCh	75, 45.919, 126.690
Yxy	48.2781, 0.3394, 0.4439
Android (android.graphics.Color)	4288529779 (0xFF9DC573)
YUV	175.6920, -29.9212, -16.3929
Hunter-Lab	69.4824, -26.7578, 28.5313

Details

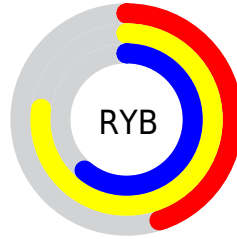
The CIELCh color **75, 45.919, 126.690** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **55, 48.849, 310.764**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 46.016, 126.631**, and **55, 45.852, 126.649** is the 20% darker color. If you saturate the color by 10%, you get **74, 56.297, 126.272**, and if you desaturate by 10%, it is **76, 35.119, 127.165**.

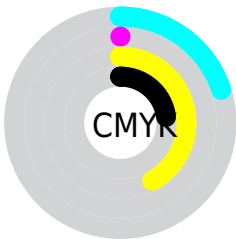
Distribution



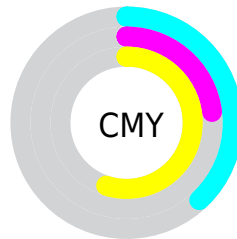
- Red (62%)
- Green (77%)
- Blue (45%)



- Red (45%)
- Yellow (77%)
- Blue (61%)



- Cyan (20%)
- Magenta (0%)
- Yellow (42%)
- Black (23%)





- Cyan (38%)
- Magenta (23%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 45.919, 126.690 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, 45.919, 126.690 by changing the saturation by 10% instead.


 75, 45.919,
126.690


 75, 45.919,
126.690


 100, 45.919,
126.690


 65, 45.919,
126.690


 95, 45.919,
126.690

 55, 45.919,
126.690

 45, 45.919,
126.690

 35, 45.919,
126.690

 25, 45.919,
126.690

 15, 45.919,
126.690

 5, 45.919, 126.690

■ 0, 45.919, 126.690

■ 75, 45.919,
126.690

■ 75, 45.919,
126.690

■ 74, 56.297,
126.272

■ 76, 35.119,
127.165

■ 73, 65.972,
125.971

■ 77, 24.086,
127.653

■ 73, 74.559,
125.884

■ 78, 12.955,
128.132

■ 72, 81.590,
126.132

■ 79, 1.817, 128.634

■ 72, 86.637,
126.834

■ 81, 9.262, 308.976

■ 71, 89.505,
127.709

■ 82, 20.234,
309.364

■ 83, 31.067,

309.711

■ 84, 33.224,
314.597

■ 85, 34.524,
319.813

Harmonies

Complementary

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



75, 45.919, 126.690



55, 48.849, 310.764

Rectangle

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



75, 45.919, 126.690



75, 45.919, 176.690



75, 45.919, 306.690



75, 45.919, 356.690

Sweetspot

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



75, 45.920, 126.691



98, 16.471, 128.106



67, 28.809, 68.543



52, 10.927, 128.043



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, 45.920, 126.691



94, 67.320, 126.305



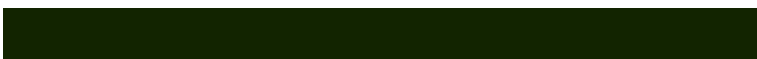
73, 53.199, 140.902



41, 6.358, 128.238



60, 77.701, 127.482



12, 22.770, 130.970

Inverse Universe

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



55, 48.849, 310.764



65, 72.734, 311.263



60, 53.139, 326.154



39, 6.447, 309.055



25, 89.503, 311.730



2, 22.319, 305.484

Previews

White Background



This preview shows how the CIELCh color 75, 45.919, 126.690 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, 45.919, 126.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

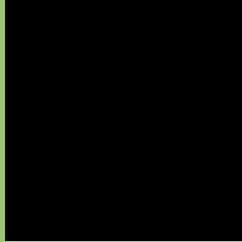
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 45.919, 126.690

Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.919, 126.690.

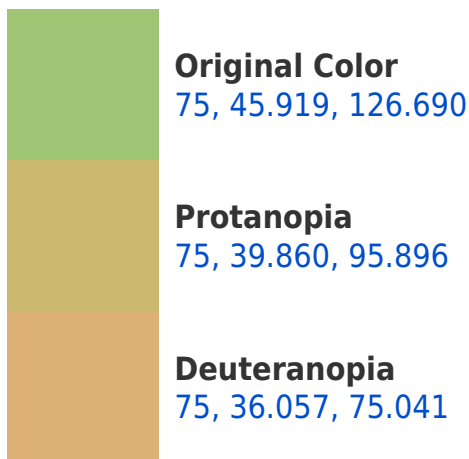


This preview shows how white text looks on a background with the CIELCh color 75, 45.919, 126.690.

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, 10.116, 252.524

Trichromacy



Original Color
75, 45.919, 126.690

Protanomaly
75, 40.523, 108.665

Deuteranomaly
75, 35.584, 97.226

Tritanomaly
75, 14.994, 149.379

Monochromacy



Original Color
75, 45.919, 126.690

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 17.225, 128.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 45.919, 126.690 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(157, 197, 115)` looks like.

```
.text, #text, p{  
    color:rgb(157, 197, 115)  
}
```

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(157, 197, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 197, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 45.919, 126.690 is called "border". The border property can be set on classes, ids or directly on the HTML element.

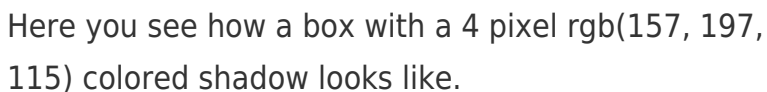
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 197, 115) }
```

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

```
.border{ border-color:rgb(157, 197, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 197, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 197, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 197, 115); box-shadow:4px 4px 4px 4px rgb(157, 197, 115) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 45.919, 126.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 197, 115) }
```

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

```
.background{ background-color: rgb(157,  
197, 115) }
```

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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