

Converting Colors

CIELCh(75, 45.333, 121.133)

Have a look what the booklet for
CIELCh(75, 45.333, 121.133)
contains.

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Color

CIELCh(75, 45.501, 121.187)

Conversions

Conversions Part 1

Format	Color
Hex	A6C36F
RGB	166, 195, 111
RGB Percent	65%, 76%, 44%
CMY	0.3491, 0.2353, 0.5647
CMYK	0.15, 0.00, 0.43, 0.24
HSL	81°, 41%, 60%
HSV	81°, 43%, 76%
XYZ	38.1044, 48.2781, 22.3460
YIQ	176.7530, 9.6800, -32.2720

Conversions

Conversions Part 2

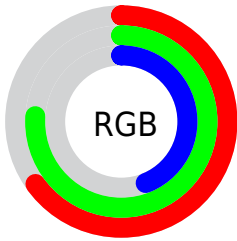
Format	Color
RYB	111, 195, 140
Decimal	10929007
CIELab	75.00, -23.56, 38.93
CIElCh	75, 45.501, 121.187
Yxy	48.2781, 0.3505, 0.4440
Android (android.graphics.Color)	4289119087 (0xFFA6C36F)
YUV	176.7530, -32.4162, -9.4304
Hunter-Lab	69.4824, -23.7043, 29.5697

Details

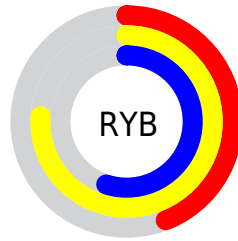
The CIELCh color **75, 45.501, 121.187** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **53, 49.561, 306.352**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 45.697, 121.404**, and **55, 45.368, 121.361** is the 20% darker color. If you saturate the color by 10%, you get **74, 55.297, 120.745**, and if you desaturate by 10%, it is **76, 35.239, 121.706**.

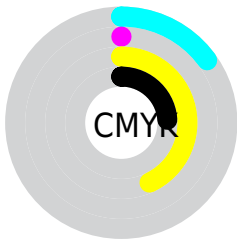
Distribution



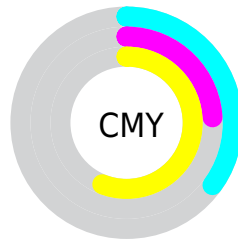
- Red (65%)
- Green (76%)
- Blue (44%)



- Red (44%)
- Yellow (76%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (43%)
- Black (24%)





- Cyan (35%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 45.501, 121.187 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, 45.501, 121.187 by changing the saturation by 10% instead.


 75, 45.501,
121.187


 75, 45.501,
121.187


 100, 45.501,
121.187


 65, 45.501,
121.187


 95, 45.501,
121.187

 55, 45.501,
121.187

 45, 45.501,
121.187

 35, 45.501,
121.187

 25, 45.501,
121.187

 15, 45.501,
121.187

 5, 45.501, 121.187

■ 0, 45.501, 121.187

■ 75, 45.501,
121.187

■ 75, 45.501,
121.187

■ 74, 55.297,
120.745

■ 76, 35.239,
121.706

■ 74, 64.336,
120.440

■ 77, 24.702,
122.253

■ 73, 72.225,
120.366

■ 78, 14.024,
122.803

■ 73, 78.493,
120.635

■ 78, 3.295, 123.352

■ 72, 82.748,
121.353

■ 80, 7.424, 303.832

■ 72, 84.755,
122.052

■ 81, 18.086,
304.315

■ 82, 28.660,

304.760

■ 83, 33.013,
307.291

■ 83, 33.624,
311.084

Harmonies

Complementary

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



75, 45.501, 121.187



53, 49.561, 306.352

Rectangle

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



75, 45.501, 121.187



75, 45.501, 171.187



75, 45.501, 301.187



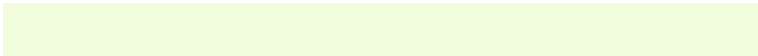
75, 45.501, 351.187

Sweetspot

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



75, 45.502, 121.189



98, 17.191, 122.797



63, 29.471, 52.691



52, 12.125, 122.674



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, 45.502, 121.189



94, 66.840, 120.756



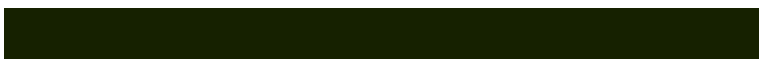
73, 52.091, 137.251



41, 6.048, 123.006



60, 73.302, 121.831



11, 19.990, 126.041

Inverse Universe

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



53, 49.561, 306.352



61, 74.570, 307.136



57, 52.814, 321.696



38, 6.155, 303.998



22, 91.060, 309.069



2, 19.813, 300.419

Previews

White Background



This preview shows how the CIELCh color 75, 45.501, 121.187 looks on a white background.

Color Contrast Check

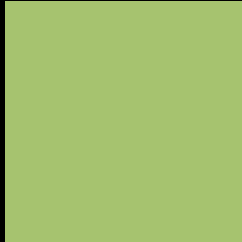
Large Text (above 18pt) WCAG AA × Fail

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, 45.501, 121.187 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, 45.501, 121.187

Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.501, 121.187.

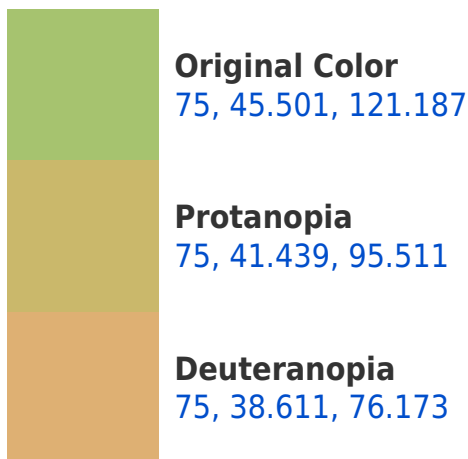


This preview shows how white text looks on a background with the CIELCh color 75, 45.501, 121.187.

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, 7.911, 272.538

Trichromacy



Original Color
75, 45.501, 121.187

Protanomaly
75, 42.017, 105.560

Deuteranomaly
75, 37.574, 94.202

Tritanomaly
75, 13.170, 134.670

Monochromacy



Original Color
75, 45.501, 121.187

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 17.256, 122.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 45.501, 121.187 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(166, 195, 111)` looks like.

```
.text, #text, p{  
    color:rgb(166, 195, 111)  
}
```

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(166, 195, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 195, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 45.501, 121.187 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(166, 195, 111) }
```

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

```
.border{ border-color:rgb(166, 195, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 195, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 195, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 195, 111);  
box-shadow:4px 4px 4px 4px rgb(166, 195,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 45.501, 121.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 195, 111) }
```

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

```
.background{ background-color: rgb(166,  
195, 111) }
```

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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