

Converting Colors

CIELCh(78, 45.857, 125.635)

Have a look what the booklet for
CIELCh(78, 45.857, 125.635)
contains.

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Color

CIELCh(78, 45.822, 125.644)

Conversions

Conversions Part 1

Format	Color
Hex	A7CD7A
RGB	167, 205, 122
RGB Percent	65%, 80%, 48%
CMY	0.3456, 0.1965, 0.5220
CMYK	0.19, 0.00, 0.41, 0.20
HSL	87°, 45%, 64%
HSV	87°, 41%, 80%
XYZ	41.2213, 53.2120, 26.4754
YIQ	184.1760, 3.9950, -33.8690

Conversions

Conversions Part 2

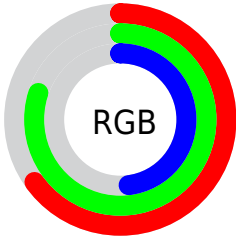
Format	Color
RYB	122, 205, 160
Decimal	10997114
CIELab	78.00, -26.70, 37.24
CIELCh	78, 45.822, 125.644
Yxy	53.2120, 0.3409, 0.4401
Android (android.graphics.Color)	4289187194 (0xFFA7CD7A)
YUV	184.1760, -30.6528, -15.0634
Hunter-Lab	72.9466, -26.7880, 29.5437

Details

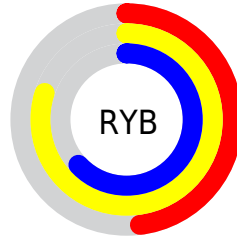
The CIELCh color $78, 45.822, 125.644$ is a light color, and the websafe version is hex $99CC66$. A complement of this color would be $58, 48.872, 309.749$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 42.064, 123.894$, and $58, 46.340, 125.796$ is the 20% darker color. If you saturate the color by 10%, you get $77, 56.500, 125.217$, and if you desaturate by 10%, it is $79, 34.730, 126.127$.

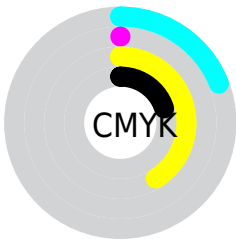
Distribution



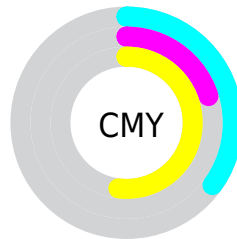
- Red (65%)
- Green (80%)
- Blue (48%)



- Red (48%)
- Yellow (80%)
- Blue (63%)



- Cyan (19%)
- Magenta (0%)
- Yellow (41%)
- Black (20%)





- Cyan (35%)
- Magenta (20%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 45.822, 125.644 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 78, 45.822, 125.644 by changing the saturation by 10% instead.

 78, 45.822,
125.644

 78, 45.822,
125.644

 100, 45.822,
125.644

 68, 45.822,
125.644

 98, 45.822,
125.644

 58, 45.822,
125.644

 48, 45.822,
125.644

 38, 45.822,
125.644

 28, 45.822,
125.644

 18, 45.822,
125.644

 8, 45.822, 125.644

0, 45.822, 125.644

78, 45.822,
125.644

78, 45.822,
125.644

77, 56.500,
125.217

79, 34.730,
126.127

76, 66.482,
124.903

80, 23.409,
126.623

76, 75.383,
124.796

81, 11.992,
127.111

75, 82.722,
125.016

82, 0.568, 127.748

75, 88.044,
125.684

84, 10.797,
307.979

74, 91.337,
126.698

85, 22.058,
308.377

■ 86, 28.082,
311.750

■ 87, 29.277,
317.813

■ 88, 30.767,
323.441

Harmonies

Complementary

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



78, 45.822, 125.644



58, 48.872, 309.749

Rectangle

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



78, 45.822, 125.644



78, 45.822, 175.644



78, 45.822, 305.644



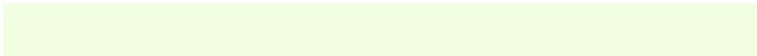
78, 45.822, 355.644

Sweetspot

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



78, 45.824, 125.645



98, 16.361, 127.032



69, 28.613, 65.198



52, 10.853, 126.968



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 45.824, 125.645



94, 65.545, 125.251



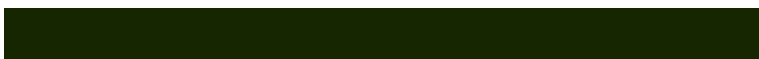
76, 52.967, 140.259



43, 6.450, 127.165



61, 77.845, 126.448



13, 24.176, 128.849

Inverse Universe

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



58, 48.872, 309.749



65, 71.098, 310.290



62, 53.064, 325.121



40, 6.545, 308.013



25, 91.121, 311.073



2, 24.356, 305.113

Previews

White Background



This preview shows how the CIELCh color 78, 45.822, 125.644 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 78, 45.822, 125.644 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 78, 45.822, 125.644

Background



This preview shows how black text looks on a background with the CIELCh color 78, 45.822, 125.644.



This preview shows how white text looks on a background with the CIELCh color 78, 45.822, 125.644.

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
78, 45.822, 125.644

Protanopia
78, 40.183, 95.570

Deuteranopia
78, 36.673, 74.505



Tritanopia
78, 9.926, 259.211

Trichromacy



Original Color
78, 45.822, 125.644

Protanomaly
78, 40.764, 108.141

Deuteranomaly
78, 36.002, 96.158

Tritanomaly
78, 13.760, 147.504

Monochromacy



Original Color
78, 45.822, 125.644

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 17.462, 126.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 45.822, 125.644 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(167, 205, 122)` looks like.

```
.text, #text, p{  
    color:rgb(167, 205, 122)  
}
```

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(167, 205, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 205, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 45.822, 125.644 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(167, 205, 122) }
```

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

```
.border{ border-color:rgb(167, 205, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 205, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 205, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 205, 122);  
box-shadow:4px 4px 4px 4px rgb(167, 205,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 45.822, 125.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 205, 122) }
```

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

```
.background{ background-color: rgb(167,  
205, 122) }
```

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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