

Converting Colors

CIELCh(84, 69.114, 126.514)

Have a look what the booklet for
CIELCh(84, 69.114, 126.514)
contains.

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Color

CIELCh(84, 69.162, 126.658)

Conversions

Conversions Part 1

Format	Color
Hex	A3E463
RGB	163, 228, 99
RGB Percent	64%, 89%, 39%
CMY	0.3614, 0.1065, 0.6123
CMYK	0.29, 0.00, 0.57, 0.11
HSL	90°, 70%, 64%
HSV	90°, 57%, 89%
XYZ	45.0154, 64.0658, 21.7601
YIQ	193.8590, 2.6690, -53.8990

Conversions

Conversions Part 2

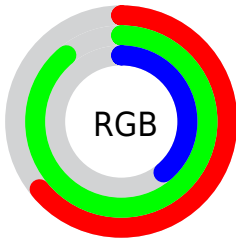
Format	Color
R_{YB}	99, 228, 164
Decimal	10740835
CIE _{Lab}	84.00, -41.29, 55.48
CIE _{LCh}	84, 69.162, 126.658
Yxy	64.0658, 0.3440, 0.4896
Android (android.graphics.Color)	4288930915 (0xFFA3E463)
YUV	193.8590, -46.7655, -27.0633
Hunter-Lab	80.0411, -39.6830, 39.9101

Details

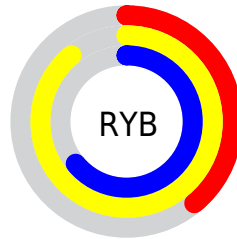
The CIELCh color **84, 69.162, 126.658** is a light color, and the websafe version is hex **99CC33**. A complement of this color would be **54, 75.260, 312.063**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 52.535, 120.830**, and **64, 68.957, 126.729** is the 20% darker color. If you saturate the color by 10%, you get **83, 79.496, 126.456**, and if you desaturate by 10%, it is **85, 57.806, 127.031**.

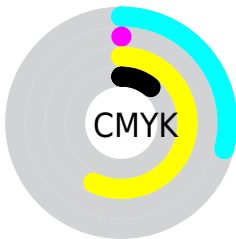
Distribution



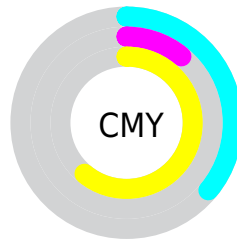
- Red (64%)
- Green (89%)
- Blue (39%)



- Red (39%)
- Yellow (89%)
- Blue (64%)



- Cyan (29%)
- Magenta (0%)
- Yellow (57%)
- Black (11%)



- Cyan (36%)
- Magenta (11%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 69.162, 126.658 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 84, 69.162, 126.658 by changing the saturation by 10% instead.

 84, 69.162,
126.658

 84, 69.162,
126.658


 100, 69.162,
126.658


 74, 69.162,
126.658

 64, 69.162,
126.658

 54, 69.162,
126.658

 44, 69.162,
126.658

 34, 69.162,
126.658


 24, 69.162,
126.658

 14, 69.162,


126.658


 4, 69.162, 126.658


 0, 69.162, 126.658

 84, 69.162,
126.658


 84, 69.162,
126.658


 83, 79.496,
126.456


 85, 57.806,
127.031


 82, 88.301,
126.534


 86, 45.811,
127.487

 82, 95.035,
127.027

 87, 33.447,
127.974

 81, 99.386,
128.015

 88, 20.902,
128.461

 81, 100.535,

 90, 8.304, 128.933

128.396

■ 91, 4.255, 309.317

■ 92, 15.088,
311.789

■ 93, 16.916,
324.708

■ 93, 16.975,
325.013

Harmonies

Complementary

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



84, 69.162, 126.658



54, 75.260, 312.063

Rectangle

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



84, 69.162, 126.658



84, 69.162, 176.658



84, 69.162, 306.658



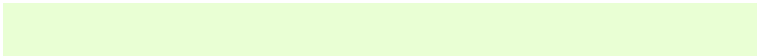
84, 69.162, 356.658

Sweetspot

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



84, 69.163, 126.659



97, 23.433, 128.437



72, 45.853, 68.264



52, 15.674, 128.340



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 69.163, 126.659



92, 88.435, 126.445



81, 79.580, 139.582



48, 7.180, 128.799



65, 83.545, 128.133



18, 32.332, 127.707

Inverse Universe

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



54, 75.260, 312.063



54, 98.040, 312.514



62, 78.879, 327.324



45, 7.279, 309.619



28, 95.374, 312.016



4, 35.650, 311.175

Previews

White Background



This preview shows how the CIELCh color 84, 69.162, 126.658 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 84, 69.162, 126.658 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 84, 69.162, 126.658

Background



This preview shows how black text looks on a background with the CIELCh color 84, 69.162, 126.658.

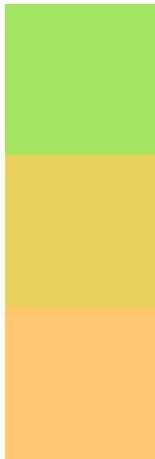


This preview shows how white text looks on a background with the CIELCh color 84, 69.162, 126.658.

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

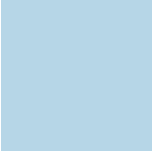
84, 69.162, 126.658

Protanopia

84, 59.362, 95.448

Deuteranopia

84, 51.699, 78.479



Tritanopia
84, 13.759, 239.716

Trichromacy



Original Color
84, 69.162, 126.658



Protanomaly
84, 60.577, 108.507



Deuteranomaly
83, 52.307, 100.003



Tritanomaly
84, 24.976, 148.510

Monochromacy



Original Color
84, 69.162, 126.658



Achromatopsia
78, 0.009, 296.813



Achromatomaly
80, 26.346, 127.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 69.162, 126.658 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(163, 228, 99)` looks like.

```
.text, #text, p{  
    color:rgb(163, 228, 99)  
}
```

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(163, 228, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 228, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 69.162, 126.658 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(163, 228, 99) }
```

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

```
.border{ border-color:rgb(163, 228, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 228, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 228, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 228, 99);  
box-shadow:4px 4px 4px 4px rgb(163, 228,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 69.162, 126.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 228, 99) }
```

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

```
.background{ background-color: rgb(163,  
228, 99) }
```

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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