

Converting Colors

CIELCh(83, 72.089, 124.007)

Have a look what the booklet for
CIELCh(83, 72.089, 124.007)
contains.

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Color

CIELCh(83, 72.089, 124.007)

Conversions

Conversions Part 1

Format	Color
Hex	A4E056
RGB	164, 224, 86
RGB Percent	64%, 88%, 34%
CMY	0.3552, 0.1198, 0.6611
CMYK	0.27, 0.00, 0.61, 0.12
HSL	86°, 69%, 61%
HSV	86°, 61%, 88%
XYZ	43.8689, 62.1629, 18.5788
YIQ	190.3280, 8.5380, -55.6380

Conversions

Conversions Part 2

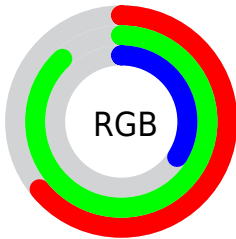
Format	Color
RYB	86, 224, 146
Decimal	10805334
CIELab	83.00, -40.32, 59.76
CIELCh	83, 72.089, 124.007
Yxy	62.1629, 0.3520, 0.4989
Android (android.graphics.Color)	4288995414 (0xFFA4E056)
YUV	190.3280, -51.4337, -23.0897
Hunter-Lab	78.8435, -38.6577, 41.2192

Details

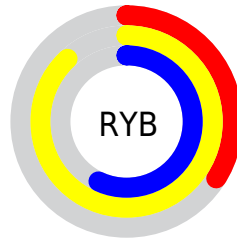
The CIELCh color **83, 72.089, 124.007** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **50, 80.534, 310.304**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 57.910, 118.785**, and **63, 71.873, 123.906** is the 20% darker color. If you saturate the color by 10%, you get **82, 81.397, 123.939**, and if you desaturate by 10%, it is **84, 61.547, 124.303**.

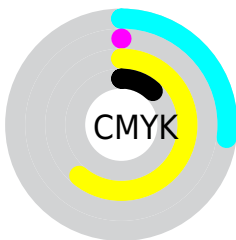
Distribution



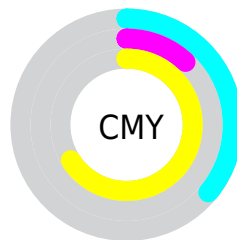
- Red (64%)
- Green (88%)
- Blue (34%)



- Red (34%)
- Yellow (88%)
- Blue (57%)



- Cyan (27%)
- Magenta (0%)
- Yellow (61%)
- Black (12%)



- Cyan (36%)
- Magenta (12%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 83, 72.089, 124.007 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 83, 72.089, 124.007 by changing the saturation by 10% instead.

■ 83, 72.089,
124.007

■ 83, 72.089,
124.007

■ 100, 72.089,
124.007

■ 73, 72.089,
124.007

■ 63, 72.089,
124.007

■ 53, 72.089,
124.007

■ 43, 72.089,
124.007

■ 33, 72.089,
124.007

■ 23, 72.089,
124.007

■ 13, 72.089,

124.007

■ 3, 72.089, 124.007

■ 0, 72.089, 124.007

■ 83, 72.089,
124.007

■ 83, 72.089,
124.007

■ 82, 81.397,
123.939

■ 84, 61.547,
124.303

■ 82, 88.936,
124.218

■ 85, 50.205,
124.727

■ 81, 94.240,
124.963

■ 86, 38.378,
125.212


■ 81, 97.134,
125.928


■ 87, 26.280,
125.719


■ 88, 14.060,

126.220

 89, 1.817, 126.746

 90, 10.376,
307.124

 92, 17.102,
312.681

 92, 18.604,
322.579

Harmonies

Complementary

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



83, 72.089, 124.007



50, 80.534, 310.304

Rectangle

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



83, 72.089, 124.007



83, 72.089, 174.007



83, 72.089, 304.007



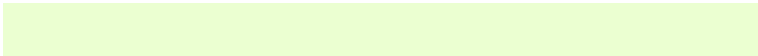
83, 72.089, 354.007

Sweetspot

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



83, 72.090, 124.008



98, 24.419, 125.889



67, 49.479, 61.216



52, 16.962, 125.741



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



83, 72.090, 124.008



92, 92.389, 123.981



80, 82.901, 137.886



47, 6.942, 126.321



65, 80.793, 125.661



17, 30.202, 125.526

Inverse Universe

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



50, 80.534, 310.304



49, 105.962, 310.860



59, 82.596, 325.418



44, 7.050, 307.205



26, 95.749, 310.556



3, 33.031, 307.855

Previews

White Background



This preview shows how the CIELCh color 83, 72.089, 124.007 looks on a white background.

Color Contrast Check

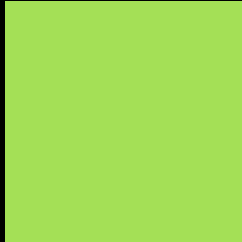
Large Text (above 18pt) WCAG AA × Fail

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 83, 72.089, 124.007 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 83, 72.089, 124.007

Background



This preview shows how black text looks on a background with the CIELCh color 83, 72.089, 124.007.

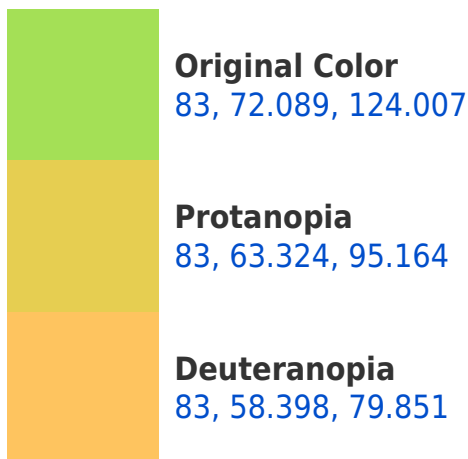


This preview shows how white text looks on a background with the CIELCh color 83, 72.089, 124.007.

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
83, 12.622, 244.594

Trichromacy



Original Color
83, 72.089, 124.007



Protanomaly
83, 64.387, 107.189



Deuteranomaly
82, 58.001, 98.656

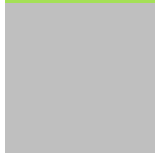


Tritanomaly
82, 25.228, 143.302

Monochromacy



Original Color
83, 72.089, 124.007



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 27.770, 125.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 72.089, 124.007 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(164, 224, 86)` looks like.

```
.text, #text, p{  
    color:rgb(164, 224, 86)  
}
```

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(164, 224, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 224, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 72.089, 124.007 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(164, 224, 86) }
```

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

```
.border{ border-color:rgb(164, 224, 86) }
```

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

Here you see how a box with a 4 pixel rgb(164, 224, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 224, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 224, 86);  
box-shadow:4px 4px 4px 4px rgb(164, 224,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 72.089, 124.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 224, 86) }
```

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

```
.background{ background-color: rgb(164,  
224, 86) }
```

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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