

Converting Colors

CIELCh(81, 55.314, 122.437)

Have a look what the booklet for
CIELCh(81, 55.314, 122.437)
contains.

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Color

CIELCh(81, 54.875, 122.273)

Conversions

Conversions Part 1

Format	Color
Hex	AFD66F
RGB	175, 214, 111
RGB Percent	69%, 84%, 44%
CMY	0.3130, 0.1601, 0.5640
CMYK	0.18, 0.00, 0.48, 0.16
HSL	83°, 56%, 64%
HSV	83°, 48%, 84%
XYZ	44.6906, 58.4711, 24.0184
YIQ	190.5970, 9.8190, -40.3010

Conversions

Conversions Part 2

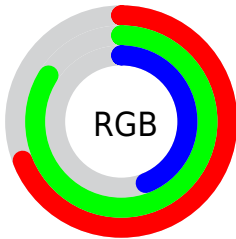
Format	Color
RYB	111, 214, 150
Decimal	11523695
CIELab	81.00, -29.30, 46.40
CIELCh	81, 54.875, 122.273
Yxy	58.4711, 0.3514, 0.4598
Android (android.graphics.Color)	4289713775 (0xFFAFD66F)
YUV	190.5970, -39.2413, -13.6786
Hunter-Lab	76.4664, -29.4923, 34.9033

Details

The CIELCh color **81, 54.875, 122.273** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **55, 60.208, 307.785**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 45.910, 117.903**, and **61, 54.649, 122.444** is the 20% darker color. If you saturate the color by 10%, you get **80, 65.160, 121.910**, and if you desaturate by 10%, it is **82, 43.938, 122.744**.

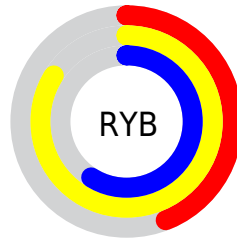
Distribution



Red (69%)

Green (84%)

Blue (44%)



Red (44%)

Yellow (84%)

Blue (59%)

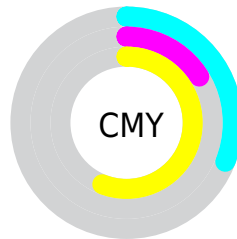


Cyan (18%)

Magenta (0%)

Yellow (48%)

Black (16%)



Cyan (31%)


Magenta (16%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 54.875, 122.273 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 81, 54.875, 122.273 by changing the saturation by 10% instead.


 81, 54.875,
122.273


 81, 54.875,
122.273


 100, 54.875,
122.273


 71, 54.875,
122.273

 61, 54.875,
122.273

 51, 54.875,
122.273

 41, 54.875,
122.273

 31, 54.875,
122.273

 21, 54.875,
122.273

 11, 54.875,

122.273

■ 1, 54.875, 122.273

■ 0, 54.875, 122.273

■ 81, 54.875,
122.273

■ 81, 54.875,
122.273

■ 80, 65.160,
121.910

■ 82, 43.938,
122.744

■ 80, 74.413,
121.734

■ 83, 32.608,
123.263

■ 79, 82.151,
121.855

■ 84, 21.062,
123.796

■ 79, 87.875,
122.395

■ 85, 9.423, 124.323

■ 78, 91.422,

■ 86, 2.226, 304.778

123.406

87, 13.828,
305.279

78, 91.993,
123.612

88, 22.272,
307.578

89, 23.175,
314.283

90, 24.367,
320.505

Harmonies

Complementary

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



81, 54.875, 122.273



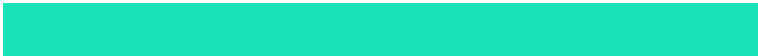
55, 60.208, 307.785

Rectangle

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



81, 54.875, 122.273



81, 54.875, 172.273



81, 54.875, 302.273



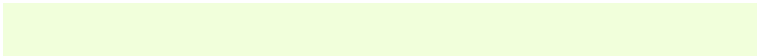
81, 54.875, 352.273

Sweetspot

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



81, 54.876, 122.275



98, 18.779, 124.006



67, 35.980, 55.796



52, 12.963, 123.890



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 54.876, 122.275



94, 74.865, 121.897



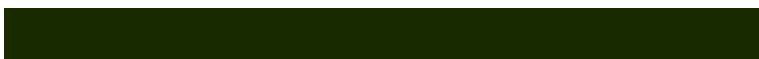
78, 63.022, 137.667



45, 6.608, 124.254



63, 77.580, 123.363



15, 26.698, 124.172

Inverse Universe

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



55, 60.208, 307.785



58, 84.218, 308.547



60, 63.643, 322.917



42, 6.720, 305.206



24, 94.736, 309.556



3, 28.339, 304.004

Previews

White Background



This preview shows how the CIELCh color 81, 54.875, 122.273 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 81, 54.875, 122.273 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 81, 54.875, 122.273

Background



This preview shows how black text looks on a background with the CIELCh color 81, 54.875, 122.273.



This preview shows how white text looks on a background with the CIELCh color 81, 54.875, 122.273.

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](#).

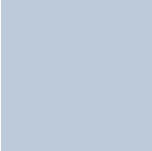
Dichromacy



Original Color
81, 54.875, 122.273

Protanopia
81, 49.296, 95.823

Deuteranopia
81, 45.544, 76.754



Tritanopia
81, 9.534, 262.675

Trichromacy



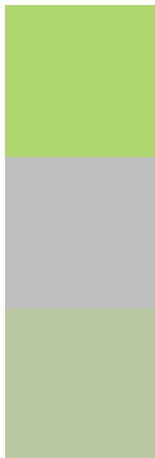
Original Color
81, 54.875, 122.273

Protanomaly
81, 49.751, 106.669

Deuteranomaly
80, 44.556, 95.242

Tritanomaly
81, 16.557, 138.636

Monochromacy



Original Color
81, 54.875, 122.273

Achromatopsia
77, 0.009, 296.813

Achromatomaly
78, 20.383, 123.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 54.875, 122.273 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(175, 214, 111)` looks like.

```
.text, #text, p{  
    color:rgb(175, 214, 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(175, 214, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 214, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 54.875, 122.273 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(175, 214, 111) }
```

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

```
.border{ border-color:rgb(175, 214, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 214, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 214, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 214, 111);  
box-shadow:4px 4px 4px 4px rgb(175, 214,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 54.875, 122.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 214, 111) }
```

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

```
.background{ background-color: rgb(175,  
214, 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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