

Converting Colors

CIELCh(75, 49.819, 140.089)

Have a look what the booklet for
CIELCh(75, 49.819, 140.089)
contains.

CIELCh(75, 49.780, 140.105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 49.780, 140.105)

Conversions

Conversions Part 1

Format	Color
Hex	81CA7C
RGB	129, 202, 124
RGB Percent	51%, 79%, 49%
CMY	0.4947, 0.2084, 0.5143
CMYK	0.36, 0.00, 0.39, 0.21
HSL	116°, 42%, 64%
HSV	116°, 39%, 79%
XYZ	33.7457, 48.2781, 26.5627
YIQ	171.2810, -18.4700, -39.7340

Conversions

Conversions Part 2

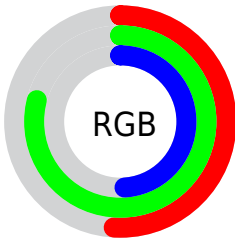
Format	Color
RYB	124, 202, 197
Decimal	8505980
CIELab	75.00, -38.19, 31.93
CIElCh	75, 49.780, 140.105
Yxy	48.2781, 0.3108, 0.4446
Android (android.graphics.Color)	4286696060 (0xFF81CA7C)
YUV	171.2810, -23.3095, -37.0804
Hunter-Lab	69.4824, -34.9017, 25.9715

Details

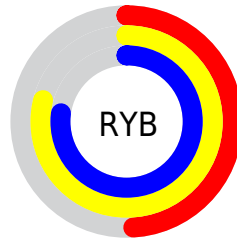
The CIELCh color **75, 49.780, 140.105** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **62, 49.944, 324.618**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 47.454, 140.098**, and **55, 49.560, 140.262** is the 20% darker color. If you saturate the color by 10%, you get **74, 61.947, 139.200**, and if you desaturate by 10%, it is **76, 37.076, 140.924**.

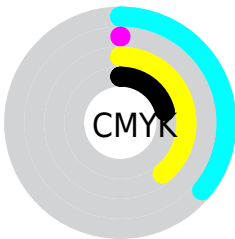
Distribution



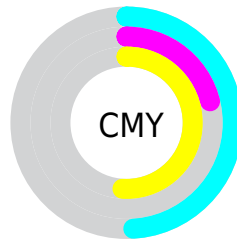
- Red (51%)
- Green (79%)
- Blue (49%)



- Red (49%)
- Yellow (79%)
- Blue (77%)



- Cyan (36%)
- Magenta (0%)
- Yellow (39%)
- Black (21%)





- Cyan (49%)
- Magenta (21%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 49.780, 140.105 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, 49.780, 140.105 by changing the saturation by 10% instead.


 75, 49.780,
140.105


 75, 49.780,
140.105


 100, 49.780,
140.105


 65, 49.780,
140.105


 95, 49.780,
140.105

 55, 49.780,
140.105

 45, 49.780,
140.105

 35, 49.780,
140.105

 25, 49.780,
140.105

 15, 49.780,
140.105

 5, 49.780, 140.105

0, 49.780, 140.105

75, 49.780,
140.105

75, 49.780,
140.105

74, 61.947,
139.200

76, 37.076,
140.924

73, 73.206,
138.246

78, 24.118,
141.645

72, 83.099,
137.316

80, 11.122,
142.276

72, 91.097,
136.527

82, 1.751, 322.643

71, 96.693,
136.015

84, 14.393,
323.215

71, 99.783,
135.814

86, 26.729,
323.604

■ 71, 100.107,
135.774

■ 87, 33.332,
325.584

Harmonies

Complementary

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



75, 49.780, 140.105



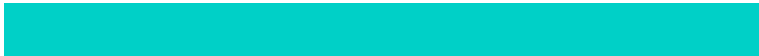
62, 49.944, 324.618

Rectangle

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



75, 49.780, 140.105



75, 49.780, 190.105



75, 49.780, 320.105



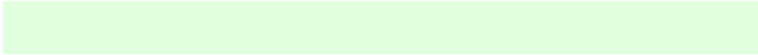
75, 49.780, 10.105

Sweetspot

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



75, 49.781, 140.105



97, 18.722, 142.062



78, 38.203, 103.399



52, 12.427, 141.979



0, 0.000, 0.000



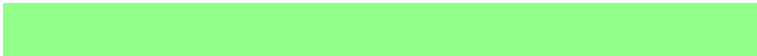
53, 0.007, 296.813

Same Dimension

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



75, 49.781, 140.105



91, 71.034, 139.388



75, 36.806, 156.599



42, 7.371, 142.230



59, 86.401, 135.713



12, 28.150, 141.666

Inverse Universe

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



62, 49.944, 324.618



73, 71.175, 324.964



61, 37.967, 343.696



40, 7.391, 323.169



37, 84.012, 325.750



5, 28.402, 325.040

Previews

White Background



This preview shows how the CIELCh color 75, 49.780, 140.105 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 75, 49.780, 140.105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

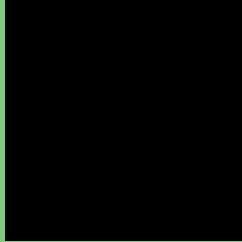
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 49.780, 140.105

Background



This preview shows how black text looks on a background with the CIELCh color 75, 49.780, 140.105.

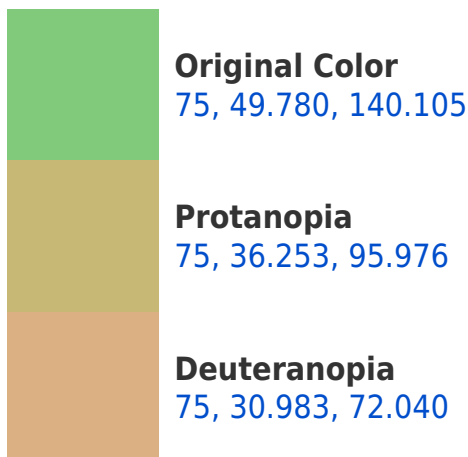


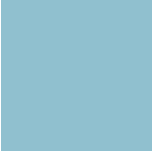
This preview shows how white text looks on a background with the CIELCh color 75, 49.780, 140.105.

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, 17.549, 226.037

Trichromacy



Original Color
75, 49.780, 140.105



Protanomaly
74, 38.056, 116.544



Deuteranomaly
74, 30.372, 106.453

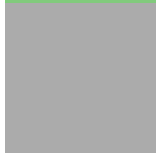


Tritanomaly
75, 23.067, 171.175

Monochromacy



Original Color
75, 49.780, 140.105



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 18.235, 141.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 49.780, 140.105 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(129, 202, 124)` looks like.

```
.text, #text, p{  
    color:rgb(129, 202, 124)  
}
```

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(129, 202, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 202, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 49.780, 140.105 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(129, 202, 124) }
```

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

```
.border{ border-color:rgb(129, 202, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 202, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 202, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 202, 124);  
box-shadow:4px 4px 4px 4px rgb(129, 202,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 49.780, 140.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 202, 124) }
```

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

```
.background{ background-color: rgb(129,  
202, 124) }
```

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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