

Converting Colors

CIELCh(79, 53.910, 124.730)

Have a look what the booklet for
CIELCh(79, 53.910, 124.730)
contains.

CIELCh(79, 53.749, 124.459)	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(79, 53.749, 124.459)

Conversions

Conversions Part 1

Format	Color
Hex	A6D16E
RGB	166, 209, 110
RGB Percent	65%, 82%, 43%
CMY	0.3484, 0.1798, 0.5681
CMYK	0.21, 0.00, 0.47, 0.18
HSL	86°, 52%, 63%
HSV	86°, 47%, 82%
XYZ	41.4180, 54.9284, 23.2116
YIQ	184.8570, 6.1510, -39.9050

Conversions

Conversions Part 2

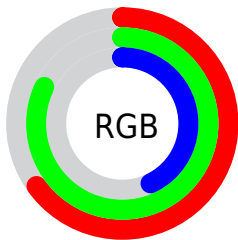
Format	Color
RYB	110, 209, 153
Decimal	10932590
CIELab	79.00, -30.41, 44.32
CIElCh	79, 53.749, 124.459
Yxy	54.9284, 0.3464, 0.4594
Android (android.graphics.Color)	4289122670 (0xFFA6D16E)
YUV	184.8570, -36.9045, -16.5376
Hunter-Lab	74.1137, -29.9453, 33.3106

Details

The CIELCh color **79, 53.749, 124.459** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **55, 58.302, 309.432**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 47.690, 121.616**, and **59, 53.498, 124.316** is the 20% darker color. If you saturate the color by 10%, you get **78, 64.079, 124.101**, and if you desaturate by 10%, it is **80, 42.812, 124.916**.

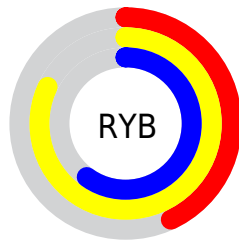
Distribution



Red (65%)

Green (82%)

Blue (43%)



Red (43%)

Yellow (82%)

Blue (60%)

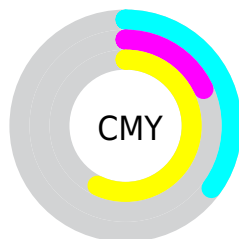


Cyan (21%)

Magenta (0%)

Yellow (47%)

Black (18%)



Cyan (35%)


Magenta (18%)


Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 53.749, 124.459 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 79, 53.749, 124.459 by changing the saturation by 10% instead.


 79, 53.749,
124.459


 79, 53.749,
124.459


 100, 53.749,
124.459


 69, 53.749,
124.459

 99, 53.749,
124.459

 59, 53.749,
124.459

 49, 53.749,
124.459

 39, 53.749,
124.459

 29, 53.749,
124.459

 19, 53.749,
124.459

 9, 53.749, 124.459

■ 0, 53.749, 124.459

■ 79, 53.749,
124.459

■ 79, 53.749,
124.459

■ 78, 64.079,
124.101

■ 80, 42.812,
124.916

■ 78, 73.441,
123.919

■ 81, 31.514,
125.412

■ 77, 81.368,
124.025

■ 82, 20.027,
125.917

■ 76, 87.367,
124.547

■ 83, 8.470, 126.412

■ 76, 91.204,
125.550

■ 84, 3.078, 306.830

■ 76, 92.051,
125.841

■ 86, 14.557,
307.286

■ 87, 25.149,

308.165

■ 88, 26.164,
314.803

■ 88, 27.498,
320.979

Harmonies

Complementary

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



79, 53.749, 124.459



55, 58.302, 309.432

Rectangle

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



79, 53.749, 124.459



79, 53.749, 174.459



79, 53.749, 304.459



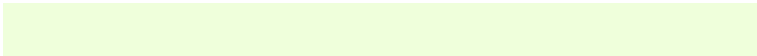
79, 53.749, 354.459

Sweetspot

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



79, 53.750, 124.460



98, 18.993, 126.075



68, 34.591, 62.718



52, 13.112, 125.967



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 53.750, 124.460



93, 74.767, 124.092



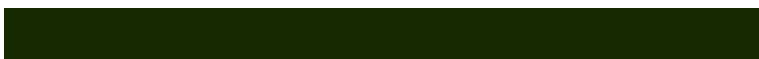
76, 62.123, 139.254



44, 6.549, 126.310



62, 78.132, 125.590



14, 25.592, 127.128

Inverse Universe

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



55, 58.302, 309.432



59, 82.826, 310.063



60, 62.252, 324.917



41, 6.651, 307.186



25, 92.623, 310.585



3, 26.417, 305.066

Previews

White Background



This preview shows how the CIELCh color 79, 53.749, 124.459 looks on a white background.

Color Contrast Check

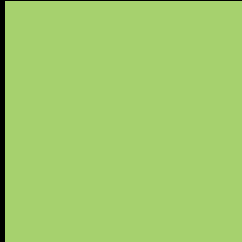
Large Text (above 18pt) WCAG AA × Fail

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 79, 53.749, 124.459 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 79, 53.749, 124.459

Background



This preview shows how black text looks on a background with the CIELCh color 79, 53.749, 124.459.

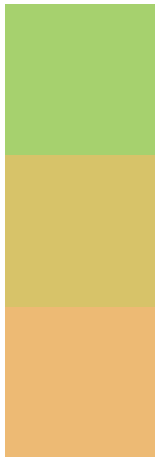


This preview shows how white text looks on a background with the CIELCh color 79, 53.749, 124.459.

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
79, 53.749, 124.459

Protanopia
79, 47.582, 95.477

Deuteranopia
79, 43.487, 76.525



Tritanopia
79, 10.024, 252.407

Trichromacy



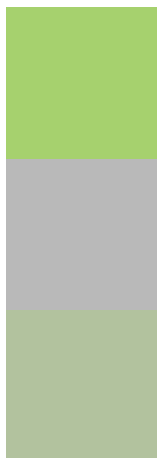
Original Color
79, 53.749, 124.459

Protanomaly
79, 48.023, 107.267

Deuteranomaly
78, 42.508, 96.525

Tritanomaly
79, 17.197, 144.641

Monochromacy



Original Color
79, 53.749, 124.459

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 20.205, 126.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 53.749, 124.459 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(166, 209, 110)` looks like.

```
.text, #text, p{  
    color:rgb(166, 209, 110)  
}
```

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(166, 209, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 209, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 53.749, 124.459 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(166, 209, 110) }
```

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

```
.border{ border-color:rgb(166, 209, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 209, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 209, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 209, 110);  
box-shadow:4px 4px 4px 4px rgb(166, 209,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 53.749, 124.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 209, 110) }
```

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

```
.background{ background-color: rgb(166,  
209, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor