

Converting Colors

CIELCh(78, 54.784, 127.039)

Have a look what the booklet for
CIELCh(78, 54.784, 127.039)
contains.

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Color

CIELCh(78, 54.784, 127.039)

Conversions

Conversions Part 1

Format	Color
Hex	9ED06D
RGB	158, 208, 109
RGB Percent	62%, 82%, 43%
CMY	0.3821, 0.1861, 0.5742
CMYK	0.24, 0.00, 0.48, 0.19
HSL	90°, 51%, 62%
HSV	90°, 48%, 81%
XYZ	39.1979, 53.2120, 22.5556
YIQ	181.7640, 1.9790, -41.3890

Conversions

Conversions Part 2

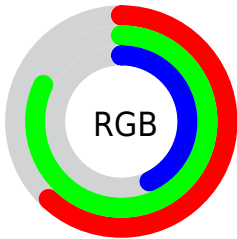
Format	Color
R_{YB}	109, 208, 159
Decimal	10408045
CIE _{Lab}	78.00, -33.00, 43.73
CIE _{LCh}	78, 54.784, 127.039
Yxy	53.2120, 0.3410, 0.4629
Android (android.graphics.Color)	4288598125 (0xFF9ED06D)
YUV	181.7640, -35.8727, -20.8410
Hunter-Lab	72.9466, -31.7394, 32.7297

Details

The CIELCh color **78, 54.784, 127.039** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **55, 58.710, 311.644**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 49.204, 125.181**, and **58, 54.615, 126.970** is the 20% darker color. If you saturate the color by 10%, you get **77, 65.259, 126.680**, and if you desaturate by 10%, it is **79, 43.699, 127.490**.

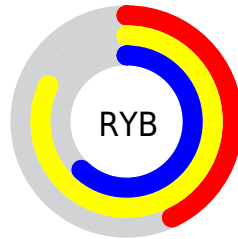
Distribution



Red (62%)

Green (82%)

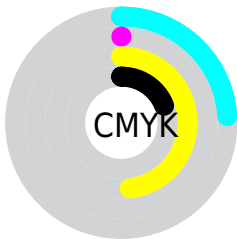
Blue (43%)



Red (43%)

Yellow (82%)

Blue (62%)

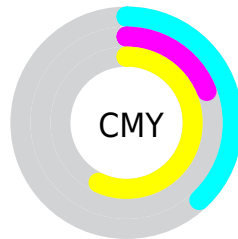


Cyan (24%)

Magenta (0%)

Yellow (48%)

Black (19%)



Cyan (38%)


Magenta (19%)


Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 54.784, 127.039 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 78, 54.784, 127.039 by changing the saturation by 10% instead.


 78, 54.784,
127.039

 78, 54.784,
127.039


 100, 54.784,
127.039


 68, 54.784,
127.039


 98, 54.784,
127.039

 58, 54.784,
127.039

 48, 54.784,
127.039

 38, 54.784,
127.039

 28, 54.784,
127.039

 18, 54.784,
127.039

 8, 54.784, 127.039

■ 0, 54.784, 127.039

■ 78, 54.784,
127.039

■ 78, 54.784,
127.039

■ 77, 65.259,
126.680

■ 79, 43.699,
127.490

■ 76, 74.758,
126.493

■ 80, 32.255,
127.973

■ 76, 82.812,
126.594

■ 81, 20.631,
128.457

■ 75, 88.930,
127.111

■ 82, 8.950, 128.928

■ 75, 92.901,
128.101

■ 84, 2.703, 309.300

■ 75, 93.680,
128.342

■ 85, 14.267,
309.734

■ 87, 25.697,

310.098

■ 87, 27.525,
316.974

■ 88, 29.191,
323.634

Harmonies

Complementary

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



78, 54.784, 127.039



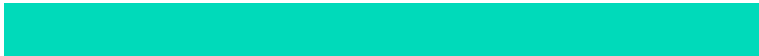
55, 58.710, 311.644

Rectangle

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



78, 54.784, 127.039



78, 54.784, 177.039



78, 54.784, 307.039



78, 54.784, 357.039

Sweetspot

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



78, 54.785, 127.040



98, 19.300, 128.624



69, 35.117, 69.459



52, 13.326, 128.521



0, 0.000, 0.000



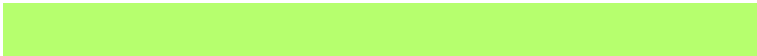
53, 0.007, 296.813

Same Dimension

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



78, 54.785, 127.040



93, 76.212, 126.680



76, 63.353, 140.612



43, 6.652, 128.847



62, 79.959, 128.100



14, 26.205, 129.827

Inverse Universe

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



55, 58.710, 311.644



60, 83.005, 312.133



61, 63.073, 326.933



41, 6.743, 309.656



26, 91.243, 312.094



3, 26.772, 307.679

Previews

White Background



This preview shows how the CIELCh color 78, 54.784, 127.039 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 78, 54.784, 127.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

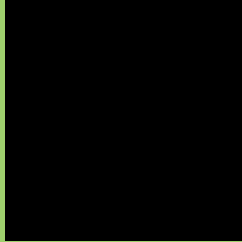
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 54.784, 127.039

Background



This preview shows how black text looks on a background with the CIELCh color 78, 54.784, 127.039.



This preview shows how white text looks on a background with the CIELCh color 78, 54.784, 127.039.

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](#).

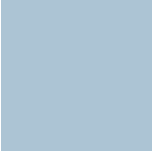
Dichromacy



Original Color
78, 54.784, 127.039

Protanopia
78, 47.200, 95.344

Deuteranopia
78, 42.931, 76.652



Tritanopia
78, 11.712, 246.242

Trichromacy



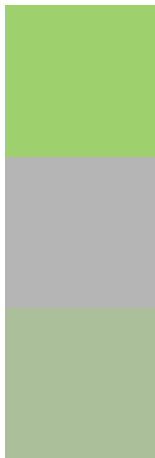
Original Color
78, 54.784, 127.039

Protanomaly
78, 48.133, 108.726

Deuteranomaly
77, 42.355, 98.176

Tritanomaly
78, 18.619, 149.836

Monochromacy



Original Color
78, 54.784, 127.039

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 20.668, 129.201

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 54.784, 127.039 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(158, 208, 109)` looks like.

```
.text, #text, p{  
    color:rgb(158, 208, 109)  
}
```

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(158, 208, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 208, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 54.784, 127.039 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(158, 208, 109) }
```

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

```
.border{ border-color:rgb(158, 208, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 208, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 208, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 208, 109);  
box-shadow:4px 4px 4px 4px rgb(158, 208,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 54.784, 127.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 208, 109) }
```

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

```
.background{ background-color: rgb(158,  
208, 109) }
```

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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