

Converting Colors

CIELCh(98, 50.176, 105.795)

Have a look what the booklet for
CIELCh(98, 50.176, 105.795)
contains.

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Color

CIELCh(98, 50.222, 106.336)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF9A
RGB	255, 255, 154
RGB Percent	100%, 100%, 60%
CMY	0.0009, 0.0009, 0.3969
CMYK	0.00, 0.00, 0.40, 0.00
HSL	60°, 100%, 80%
HSV	60°, 40%, 100%
XYZ	82.6562, 94.9163, 44.4423
YIQ	243.4860, 32.4210, -31.4110

Conversions

Conversions Part 2

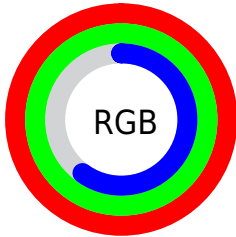
Format	Color
RYB	154, 255, 154
Decimal	16777114
CIELab	98.00, -14.13, 48.19
CIELCh	98, 50.222, 106.336
Yxy	94.9163, 0.3723, 0.4275
Android (android.graphics.Color)	4294967194 (0xFFFFFFFF9A)
YUV	243.4860, -44.1166, 10.0978
Hunter-Lab	97.4250, -19.0527, 41.1512

Details

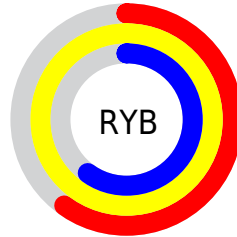
The CIELCh color **98, 50.222, 106.336** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **67, 55.715, 295.565**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 22.729, 108.455**, and **78, 49.973, 106.035** is the 20% darker color. If you saturate the color by 10%, you get **98, 61.985, 105.436**, and if you desaturate by 10%, it is **98, 37.903, 107.291**.

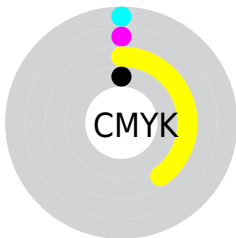
Distribution



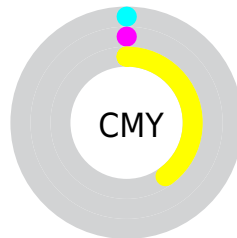
- Red (100%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 50.222, 106.336 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 98, 50.222, 106.336 by changing the saturation by 10% instead.


 98, 50.222,
106.336


 98, 50.222,
106.336


 100, 50.222,
106.336


 88, 50.222,
106.336

 78, 50.222,
106.336

 68, 50.222,
106.336

 58, 50.222,
106.336

 48, 50.222,
106.336

 38, 50.222,
106.336

 28, 50.222,

106.336

■ 18, 50.222,
106.336

■ 8, 50.222, 106.336

■ 98, 50.222,
106.336

■ 98, 50.222,
106.336

■ 98, 61.985,
105.436

■ 98, 37.903,
107.291

■ 97, 72.837,
104.614

■ 99, 25.256,
108.266

■ 97, 82.279,
103.911

■ 99, 12.431,
109.242

■ 97, 89.693,
103.370

■ 100, 0.124,
290.828

■ 97, 94.522,
103.024

100, 0.124,
291.338

■ 97, 96.784,
102.864

100, 0.124,
291.847

■ 97, 96.847,
102.860

100, 0.124,
292.356

100, 0.124,
292.865

100, 0.124,
293.373

Harmonies

Complementary

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



98, 50.222, 106.336



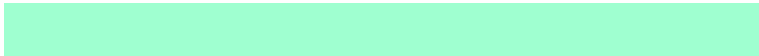
67, 55.715, 295.565

Rectangle

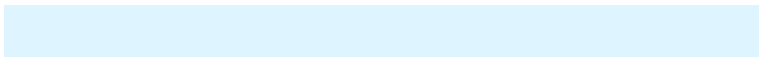
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 50.222, 106.336



98, 50.222, 156.336



98, 50.222, 286.336



98, 50.222, 336.336

Sweetspot

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



98, 50.224, 106.339



99, 15.481, 109.013



74, 41.050, 23.318



53, 10.265, 108.885



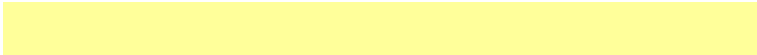
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

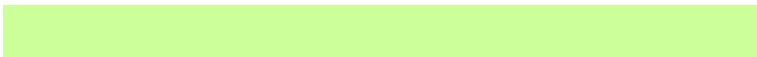
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 50.224, 106.339



98, 60.152, 105.579



95, 54.116, 127.191



53, 7.338, 109.255



75, 78.056, 102.860



26, 35.525, 103.000

Inverse Universe

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



67, 55.715, 295.565



61, 68.734, 297.181



72, 57.334, 311.075



49, 7.504, 291.178



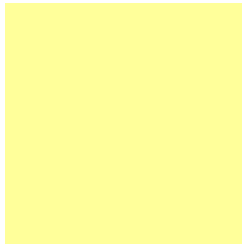
23, 107.780, 306.288



3, 44.127, 301.761

Previews

White Background



This preview shows how the CIE LCh color 98, 50.222, 106.336 looks on a white background.

Color Contrast Check

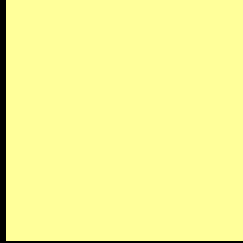
Large Text (above 18pt) WCAG AA × Fail

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 98, 50.222, 106.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

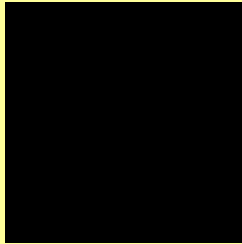
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 50.222, 106.336

Background



This preview shows how black text looks on a background with the CIELCh color 98, 50.222, 106.336.



This preview shows how white text looks on a background with the CIELCh color 98, 50.222, 106.336.

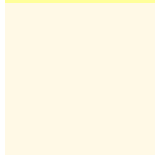
Color Blindness Simulation

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](#).

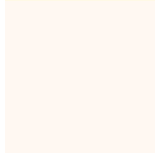
Dichromacy




Original Color
98, 50.222, 106.336



Protanopia
98, 9.885, 96.715



Deuteranopia
98, 3.919, 70.425

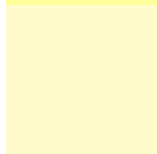


Tritanopia
98, 4.180, 332.450

Trichromacy



Original Color
98, 50.222, 106.336



Protanomaly
98, 24.843, 104.794



Deuteranomaly
98, 20.364, 103.362

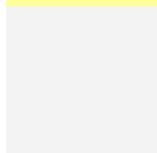


Tritanomaly
98, 16.841, 102.593

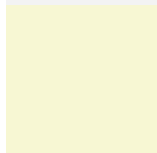
Monochromacy



Original Color
98, 50.222, 106.336



Achromatopsia
96, 0.011, 296.813



Achromatomaly
96, 18.311, 108.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 50.222, 106.336 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(255, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 154)  
}
```

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(255, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 50.222, 106.336 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(255, 255, 154) }
```

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

```
.border{ border-color:rgb(255, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 50.222, 106.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 154) }
```

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

```
.background{ background-color: rgb(255,  
255, 154) }
```

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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