

Converting Colors

CIELCh(98, 45.666, 106.687)

Have a look what the booklet for
CIELCh(98, 45.666, 106.687)
contains.

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Color

CIELCh(98, 45.466, 106.692)

Conversions

Conversions Part 1

Format	Color
Hex	FEFEA3
RGB	254, 254, 163
RGB Percent	100%, 100%, 64%
CMY	0.0024, 0.0025, 0.3594
CMYK	0.00, 0.00, 0.36, 0.00
HSL	60°, 99%, 82%
HSV	60°, 36%, 100%
XYZ	83.2118, 94.9163, 48.7481
YIQ	243.6260, 29.2110, -28.3010

Conversions

Conversions Part 2

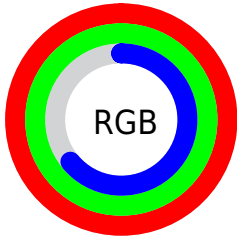
Format	Color
R_{YB}	163, 254, 163
Decimal	16711331
CIE _{Lab}	98.00, -13.06, 43.55
CIE _{LCh}	98, 45.466, 106.692
Yxy	94.9163, 0.3668, 0.4184
Android (android.graphics.Color)	4294901411 (0xFFFEFEA3)
YUV	243.6260, -39.7486, 9.0980
Hunter-Lab	97.4250, -18.0348, 38.5308

Details

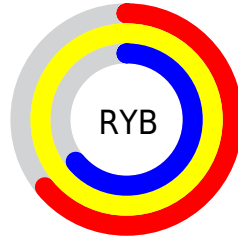
The CIELCh color **98, 45.466, 106.692** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **70, 49.813, 294.876**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 18.203, 108.801**, and **78, 45.192, 106.509** is the 20% darker color. If you saturate the color by 10%, you get **98, 57.464, 105.770**, and if you desaturate by 10%, it is **98, 33.015, 107.659**.

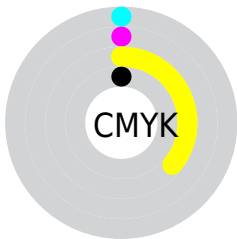
Distribution



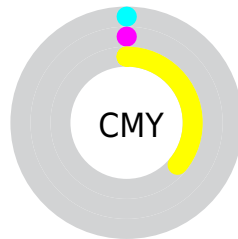
- Red (100%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (64%)



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





- Cyan (0%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 45.466, 106.692 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, 45.466, 106.692 by changing the saturation by 10% instead.


 98, 45.466,
106.692


 98, 45.466,
106.692


 100, 45.466,
106.692


 88, 45.466,
106.692

 78, 45.466,
106.692

 68, 45.466,
106.692

 58, 45.466,
106.692

 48, 45.466,
106.692

 38, 45.466,
106.692

 28, 45.466,

106.692

■ 18, 45.466,
106.692

■ 8, 45.466, 106.692

■ 98, 45.466,
106.692

■ 98, 45.466,
106.692

■ 98, 57.464,
105.770

■ 98, 33.015,
107.659

■ 97, 68.703,
104.912

■ 99, 20.302,
108.637

■ 97, 78.745,
104.158

■ 99, 7.452, 109.608

■ 97, 87.006,
103.550

■ 100, 0.328,
290.421

■ 100, 0.327,

■ 97, 92.874,
103.125

290.385

■ 97, 96.000,
102.902

100, 0.327,
290.349

■ 97, 96.729,
102.850

100, 0.327,
290.312

100, 0.327,
290.276

100, 0.326,
290.239

Harmonies

Complementary

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



98, 45.466, 106.692



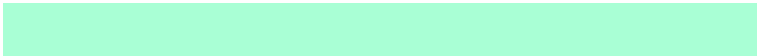
70, 49.813, 294.876

Rectangle

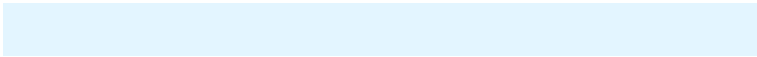
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 45.466, 106.692



98, 45.466, 156.692



98, 45.466, 286.692



98, 45.466, 336.692

Sweetspot

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



98, 45.468, 106.695



99, 14.193, 109.104



76, 36.392, 21.483



53, 9.534, 108.972



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

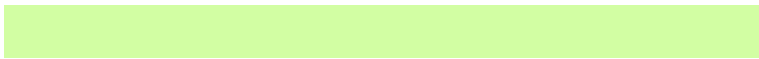
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 45.468, 106.695



98, 54.291, 106.022



95, 48.717, 126.776



53, 7.337, 109.249



75, 78.054, 102.850



26, 35.524, 102.992

Inverse Universe

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



70, 49.813, 294.876



65, 60.923, 296.190



74, 51.400, 310.321



49, 7.504, 291.173



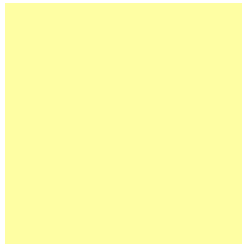
23, 107.780, 306.287



3, 44.126, 301.758

Previews

White Background



This preview shows how the CIE LCh color 98, 45.466, 106.692 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, 45.466, 106.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

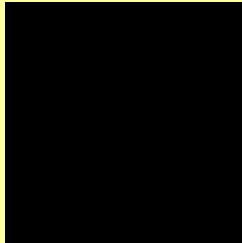
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 45.466, 106.692

Background



This preview shows how black text looks on a background with the CIELCh color 98, 45.466, 106.692.

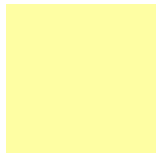


This preview shows how white text looks on a background with the CIELCh color 98, 45.466, 106.692.

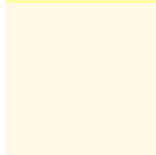
Color Blindness Simulation

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](#).

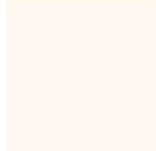
Dichromacy



Original Color
98, 45.466, 106.692



Protanopia
98, 9.885, 96.715



Deuteranopia
98, 3.919, 70.425

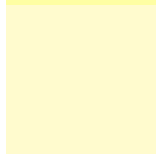


Tritanopia
98, 4.180, 332.450

Trichromacy



Original Color
98, 45.466, 106.692



Protanomaly
98, 22.835, 104.663



Deuteranomaly
98, 18.855, 103.081

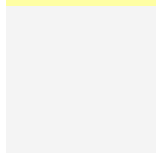


Tritanomaly
98, 15.330, 102.116

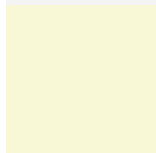
Monochromacy



Original Color
98, 45.466, 106.692



Achromatopsia
96, 0.011, 296.813



Achromatomaly
97, 16.778, 108.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 45.466, 106.692 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(254, 254, 163)` looks like.

```
.text, #text, p{  
    color:rgb(254, 254, 163)  
}
```

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(254, 254, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 254, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 45.466, 106.692 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(254, 254, 163) }
```

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

```
.border{ border-color:rgb(254, 254, 163) }
```

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

Here you see how a box with a 4 pixel rgb(254, 254, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 254, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 254, 163);  
box-shadow:4px 4px 4px 4px rgb(254, 254,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 45.466, 106.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 254, 163) }
```

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

```
.background{ background-color: rgb(254,  
254, 163) }
```

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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