

Converting Colors

CIELCh(100, 37.626, 89.899)

Have a look what the booklet for
CIELCh(100, 37.626, 89.899)
contains.

CIELCh(98, 36.224, 106.179)	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(98, 36.224, 106.179)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDB5
RGB	255, 253, 181
RGB Percent	100%, 99%, 71%
CMY	0.0000, 0.0075, 0.2899
CMYK	0.00, 0.01, 0.29, 0.00
HSL	58°, 100%, 86%
HSV	58°, 29%, 100%
XYZ	84.7691, 94.9163, 57.6106
YIQ	245.3900, 24.3040, -21.9680

Conversions

Conversions Part 2

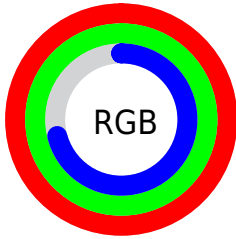
Format	Color
RYB	183, 255, 181
Decimal	16776629
CIELab	98.00, -10.09, 34.79
CIElCh	98, 36.224, 106.179
Yxy	94.9163, 0.3572, 0.4000
Android (android.graphics.Color)	4294966709 (0xFFFFFDB5)
YUV	245.3900, -31.7443, 8.4280
Hunter-Lab	97.4250, -15.1815, 33.1373

Details

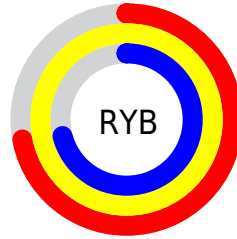
The CIELCh color **98, 36.224, 106.179** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77, 38.745, 292.774**, and the grayscale version is **97, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 9.112, 109.487**, and **78, 36.239, 106.152** is the 20% darker color. If you saturate the color by 10%, you get **97, 48.330, 105.245**, and if you desaturate by 10%, it is **99, 23.838, 107.236**.

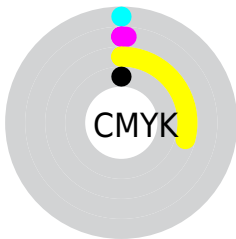
Distribution



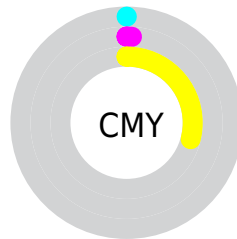
- Red (100%)
- Green (99%)
- Blue (71%)



- Red (72%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (1%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 36.224, 106.179 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, 36.224, 106.179 by changing the saturation by 10% instead.


 98, 36.224,
106.179


 98, 36.224,
106.179


 100, 36.224,
106.179


 88, 36.224,
106.179

 78, 36.224,
106.179

 68, 36.224,
106.179

 58, 36.224,
106.179

 48, 36.224,
106.179

 38, 36.224,
106.179

 28, 36.224,

106.179

■ 18, 36.224,
106.179

■ 8, 36.224, 106.179

■ 98, 36.224,
106.179

■ 98, 36.224,
106.179

■ 97, 48.330,
105.245

■ 99, 23.838,
107.236

■ 97, 59.935,
104.295

■ 99, 11.306,
108.235

■ 97, 70.707,
103.412

100, 0.012,
296.813

■ 96, 80.157,
102.630

■ 96, 87.658,
101.986

■ 96, 92.603,
101.509

■ 95, 94.872,
101.196

■ 95, 95.036,
101.168

Harmonies

Complementary

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



98, 36.224, 106.179



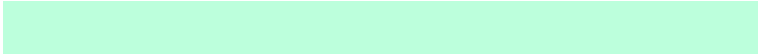
77, 38.745, 292.774

Rectangle

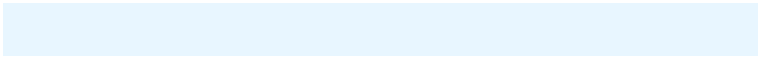
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 36.224, 106.179



98, 36.224, 156.179



98, 36.224, 286.179



98, 36.224, 336.179

Sweetspot

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



98, 36.225, 106.233



99, 11.320, 108.234



81, 28.780, 19.277



53, 7.866, 108.090



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

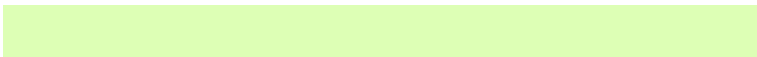
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 36.225, 106.233



98, 43.548, 105.636



96, 39.516, 126.505



53, 7.151, 108.184



74, 76.571, 101.198



25, 34.813, 101.565

Inverse Universe

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



77, 38.745, 292.774



72, 47.380, 293.769



79, 41.296, 309.382



49, 7.305, 290.146



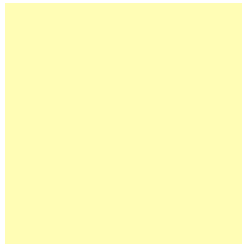
23, 106.615, 305.989



4, 43.307, 301.331

Previews

White Background



This preview shows how the CIE LCh color 98, 36.224, 106.179 looks on a white background.

Color Contrast Check

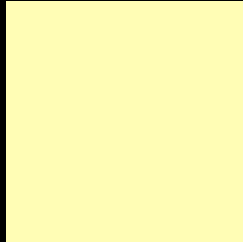
Large Text (above 18pt) WCAG AA × Fail

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, 36.224, 106.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

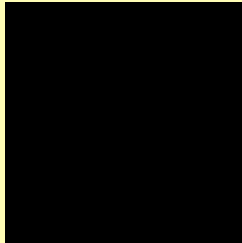
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 98, 36.224, 106.179

Background



This preview shows how black text looks on a background with the CIELCh color 98, 36.224, 106.179.

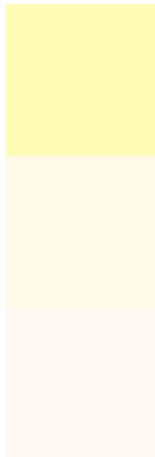


This preview shows how white text looks on a background with the CIELCh color 98, 36.224, 106.179.

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, 36.224, 106.179

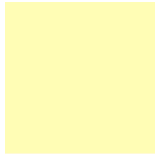
Protanopia
98, 9.388, 96.089

Deuteranopia
98, 3.537, 65.249



Tritanopia
98, 4.569, 328.153

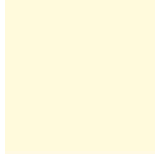
Trichromacy



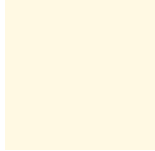
Original Color
98, 36.224, 106.179



Protanomaly
98, 18.855, 103.081

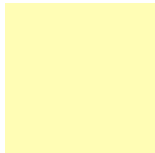


Deuteranomaly
98, 15.330, 102.116

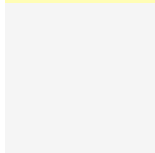


Tritanomaly
98, 11.379, 98.242

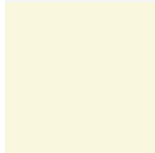
Monochromacy



Original Color
98, 36.224, 106.179



Achromatopsia
97, 0.011, 296.813



Achromatomaly
97, 13.228, 107.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 36.224, 106.179 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, 253, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 181)  
}
```

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, 253, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 36.224, 106.179 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, 253, 181) }
```

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

```
.border{ border-color:rgb(255, 253, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 36.224, 106.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 181) }
```

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

```
.background{ background-color: rgb(255,  
253, 181) }
```

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