

Converting Colors

CIELCh(100, 69.923, 104.831)

Have a look what the booklet for
CIELCh(100, 69.923, 104.831)
contains.

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Color

CIELCh(98, 67.032, 105.049)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF76
RGB	255, 255, 118
RGB Percent	100%, 100%, 46%
CMY	0.0000, 0.0000, 0.5375
CMYK	0.00, 0.00, 0.54, 0.00
HSL	60°, 100%, 73%
HSV	60°, 54%, 100%
XYZ	80.9644, 94.9163, 31.1746
YIQ	239.3820, 43.9770, -42.6070

Conversions

Conversions Part 2

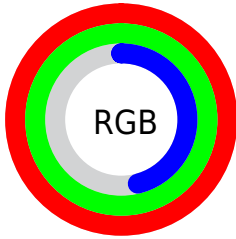
Format	Color
R _Y B	118, 255, 118
Decimal	16777078
CIE Lab	98.00, -17.40, 64.73
CIE LCh	98, 67.032, 105.049
Yxy	94.9163, 0.3910, 0.4584
Android (android.graphics.Color)	4294967158 (0xFFFFFFFF76)
YUV	239.3820, -59.8413, 13.6970
Hunter-Lab	97.4250, -22.1524, 49.2255

Details

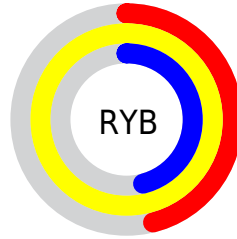
The CIELCh color **98, 67.032, 105.049** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **56, 77.859, 298.382**, and the grayscale version is **95, 0.011, 296.813**.

A 20% lighter version of the original color is **98, 40.585, 107.080**, and **78, 66.270, 104.815** is the 20% darker color. If you saturate the color by 10%, you get **97, 76.974, 104.302**, and if you desaturate by 10%, it is **98, 55.179, 105.955**.

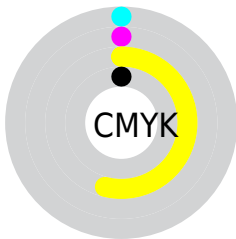
Distribution



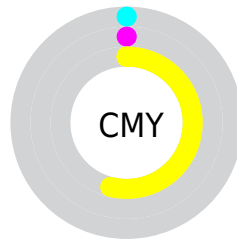
- Red (100%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 98, 67.032, 105.049 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, 67.032, 105.049 by changing the saturation by 10% instead.


 98, 67.032,
105.049


 98, 67.032,
105.049

 100, 67.032,
105.049


 88, 67.032,
105.049

 78, 67.032,
105.049

 68, 67.032,
105.049

 58, 67.032,
105.049

 48, 67.032,
105.049

 38, 67.032,
105.049

 28, 67.032,

105.049

■ 18, 67.032,
105.049

■ 8, 67.032, 105.049

■ 98, 67.032,
105.049

■ 98, 67.032,
105.049

■ 97, 76.974,
104.302

■ 98, 55.179,
105.955

■ 97, 85.666,
103.661

■ 98, 43.046,
106.890

■ 97, 92.074,
103.196

■ 99, 30.502,
107.858

■ 97, 95.765,
102.933

■ 99, 17.727,
108.837

■ 97, 96.910,
102.852

■ 100, 4.834,
109.801

100, 0.012,
296.813

Harmonies

Complementary

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



98, 67.032, 105.049



56, 77.859, 298.382

Rectangle

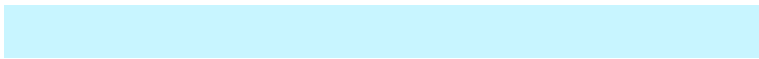
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



98, 67.032, 105.049



98, 67.032, 155.049



98, 67.032, 285.049



98, 67.032, 335.049

Sweetspot

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



98, 66.626, 105.080



99, 20.619, 108.617



66, 58.092, 26.088



53, 13.911, 108.415



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

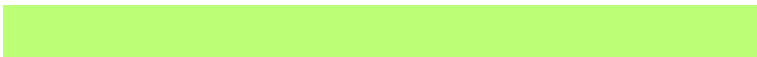
The Same Dimension uses a secret algorithm to generate beautiful new colors.



98, 66.626, 105.080



97, 77.217, 104.284



93, 72.185, 126.601



53, 7.338, 109.250



75, 78.056, 102.852



26, 35.525, 102.993

Inverse Universe

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



56, 77.859, 298.382



48, 94.286, 300.657



62, 78.291, 311.825



49, 7.504, 291.174



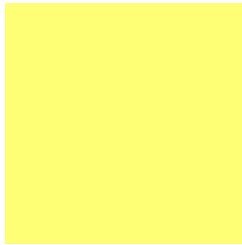
23, 107.781, 306.287



3, 44.127, 301.758

Previews

White Background



This preview shows how the CIE LCh color 98, 67.032, 105.049 looks on a white background.

Color Contrast Check

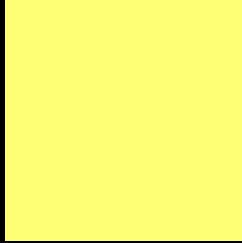
Large Text (above 18pt) WCAG AA × Fail

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, 67.032, 105.049 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, 67.032, 105.049

Background



This preview shows how black text looks on a background with the CIELCh color 98, 67.032, 105.049.

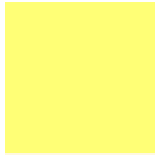


This preview shows how white text looks on a background with the CIELCh color 98, 67.032, 105.049.

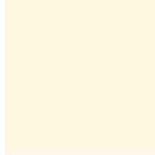
Color Blindness Simulation

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](#).

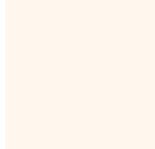
Dichromacy




Original Color
98, 66.602, 105.082



Protanopia
98, 12.457, 97.367

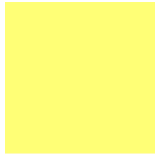


Deuteranopia
98, 5.382, 77.626

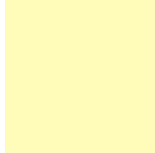


Tritanopia
98, 4.429, 335.819

Trichromacy



Original Color
98, 66.602, 105.082



Protanomaly
98, 33.328, 104.965



Deuteranomaly
97, 28.390, 104.146

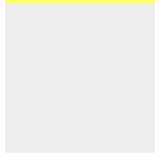


Tritanomaly
97, 23.429, 102.841

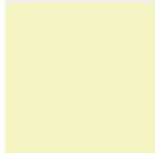
Monochromacy



Original Color
98, 66.602, 105.082



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 25.418, 108.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 67.032, 105.049 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 67.032, 105.049 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, 118) }
```

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

```
.border{ border-color:rgb(255, 255, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 255, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 255, 118); box-shadow:4px 4px 4px 4px rgb(255, 255, 118) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 67.032, 105.049 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, 118) }
```

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

```
.background{ background-color: rgb(255,  
255, 118) }
```

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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