

Converting Colors

CIELCh(96, 48.213, 106.313)

Have a look what the booklet for
CIELCh(96, 48.213, 106.313)
contains.

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Color

CIELCh(96, 48.489, 106.402)

Conversions

Conversions Part 1

Format	Color
Hex	F9F998
RGB	249, 249, 152
RGB Percent	98%, 98%, 60%
CMY	0.0243, 0.0242, 0.4046
CMYK	0.00, 0.00, 0.39, 0.02
HSL	60°, 89%, 79%
HSV	60°, 39%, 98%
XYZ	78.4751, 90.0078, 42.8710
YIQ	237.9420, 31.1370, -30.1670

Conversions

Conversions Part 2

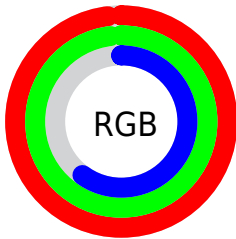
Format	Color
R _Y B	152, 249, 152
Decimal	16382360
CIE Lab	96.00, -13.69, 46.52
CIE LCh	96, 48.489, 106.402
Yxy	90.0078, 0.3713, 0.4259
Android (android.graphics.Color)	4294572440 (0xFFFF9F998)
YUV	237.9420, -42.3694, 9.6979
Hunter-Lab	94.8724, -18.3780, 39.6187

Details

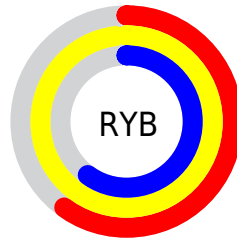
The CIELCh color **96, 48.489, 106.402** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **66, 53.667, 295.437**, and the grayscale version is **94, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 24.233, 108.340**, and **76, 48.694, 106.581** is the 20% darker color. If you saturate the color by 10%, you get **96, 60.078, 105.499**, and if you desaturate by 10%, it is **96, 36.375, 107.358**.

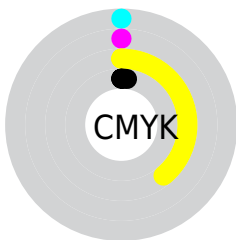
Distribution



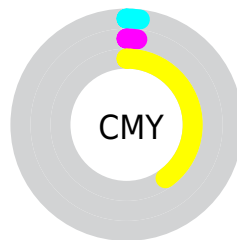
- Red (98%)
- Green (98%)
- Blue (60%)



- Red (60%)
- Yellow (98%)
- Blue (60%)



- Cyan (0%)
- Magenta (0%)
- Yellow (39%)
- Black (2%)




- Cyan (2%)
- Magenta (2%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 96, 48.489, 106.402 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 96, 48.489, 106.402 by changing the saturation by 10% instead.


 96, 48.489,
106.402


 96, 48.489,
106.402


 100, 48.489,
106.402


 86, 48.489,
106.402

 76, 48.489,
106.402

 66, 48.489,
106.402

 56, 48.489,
106.402

 46, 48.489,
106.402

 36, 48.489,
106.402

 26, 48.489,

106.402

■ 16, 48.489,
106.402

■ 6, 48.489, 106.402

■ 96, 48.489,
106.402

■ 96, 48.489,
106.402

■ 96, 60.078,
105.499

■ 96, 36.375,
107.358

■ 95, 70.804,
104.671

■ 97, 23.952,
108.332

■ 95, 80.188,
103.959

■ 97, 11.362,
109.307

■ 95, 87.633,
103.405

■ 98, 1.305, 290.339

■ 98, 3.158, 290.461

■ 95, 92.577,
103.044

■ 98, 3.158, 290.480

■ 95, 94.948,
102.873

■ 98, 3.158, 290.499

■ 95, 95.127,
102.860

■ 98, 3.158, 290.519

■ 98, 3.158, 290.538

Harmonies

Complementary

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



96, 48.489, 106.402



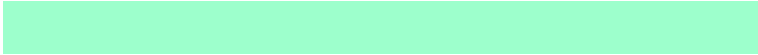
66, 53.667, 295.437

Rectangle

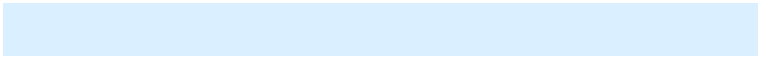
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 48.489, 106.402



96, 48.489, 156.402



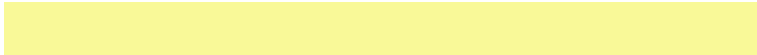
96, 48.489, 286.402



96, 48.489, 336.402

Sweetspot

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



96, 48.491, 106.405



99, 15.481, 109.013



73, 39.507, 23.205



53, 10.265, 108.885



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

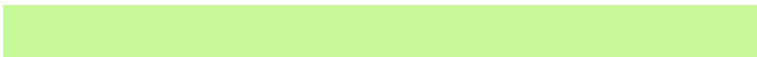
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 48.491, 106.405



98, 58.995, 105.668



93, 52.235, 127.225



52, 7.217, 109.257



74, 77.279, 102.860



25, 34.379, 103.081

Inverse Universe

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



66, 53.667, 295.437



61, 67.161, 296.979



71, 55.278, 311.036



48, 7.380, 291.176



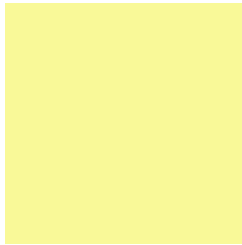
23, 106.708, 306.288



3, 42.026, 300.809

Previews

White Background



This preview shows how the CIELCh color 96, 48.489, 106.402 looks on a white background.

Color Contrast Check

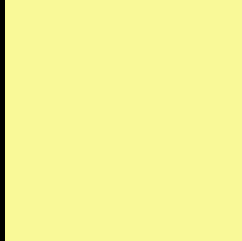
Large Text (above 18pt) WCAG AA × Fail

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 96, 48.489, 106.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

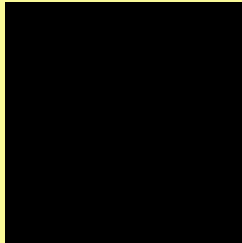
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 48.489, 106.402

Background



This preview shows how black text looks on a background with the CIELCh color 96, 48.489, 106.402.

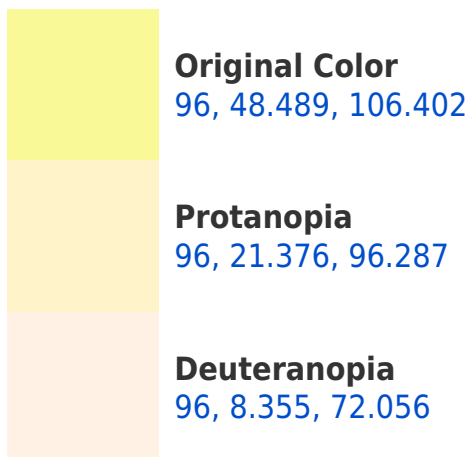


This preview shows how white text looks on a background with the CIELCh color 96, 48.489, 106.402.

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](#).

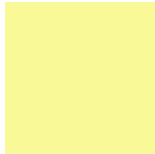
Dichromacy





Tritanopia
96, 8.376, 332.702

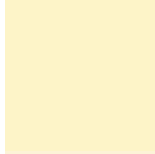
Trichromacy



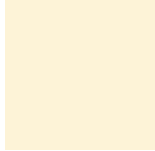
Original Color
96, 48.489, 106.402



Protanomaly
96, 31.090, 102.052



Deuteranomaly
96, 22.651, 99.776

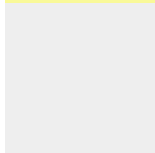


Tritanomaly
96, 14.748, 94.503

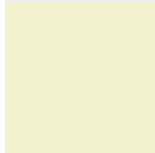
Monochromacy



Original Color
96, 48.489, 106.402



Achromatopsia
94, 0.011, 296.813



Achromatomaly
95, 17.872, 108.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 48.489, 106.402 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(249, 249, 152)` looks like.

```
.text, #text, p{  
    color:rgb(249, 249, 152)  
}
```

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(249, 249, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 249, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 48.489, 106.402 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(249, 249, 152) }
```

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

```
.border{ border-color:rgb(249, 249, 152) }
```

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

Here you see how a box with a 4 pixel rgb(249, 249, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 249, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 249, 152);  
box-shadow:4px 4px 4px 4px rgb(249, 249,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 48.489, 106.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 249, 152) }
```

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

```
.background{ background-color: rgb(249,  
249, 152) }
```

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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