Converting Colors

CIELCh(98, 0.604, 102.337)

Have a look what the booklet for CIELCh(98, 0.604, 102.337) contains.

Color

CIELCh(98, 0.498, 109.987)

Conversions

Conversions Part 1

Format	Color
Hex	F9F9F8
RGB	249, 249, 248
RGB Percent	98%, 98%, 97%
CMY	0.0224, 0.0224, 0.0263
CMYK	0.00, 0.00, 0.00, 0.02
HSL	60°, 8%, 98%
HSV	60°, 0%, 98%
XYZ	90.1213, 94.9163, 102.6112
YIQ	248.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

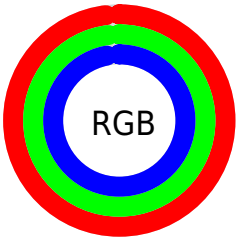
Format	Color
RYB	248, 249, 248
Decimal	16382456
CIELab	98.00, -0.17, 0.47
CIELCh	98, 0.498, 109.987
Yxy	94.9163, 0.3133, 0.3300
Android (android.graphics.Color)	4294572536 (0xFFF9F9F8)
YUV	248.8860, -0.4368, 0.1000
Hunter-Lab	97.4250, -5.3753, 5.7513

Details

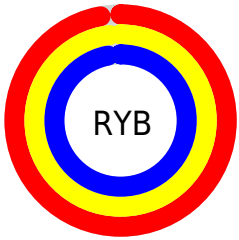
The CIELCh color 98, 0.498, 109.987 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 98, 0.523, 290.527, and the grayscale version is 98, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 78, 0.525, 110.010 is the 20% darker color. If you saturate the color by 10%, you get 97, 13.180, 109.341, and if you desaturate by 10%, it is 98, 2.921, 291.124.

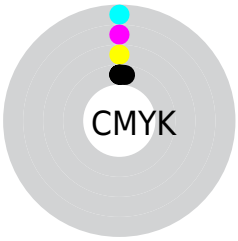
Distribution



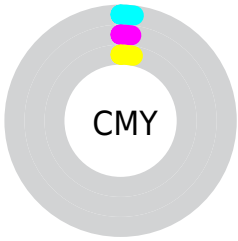
- Red (98%)
- Green (98%)
- Blue (97%)



- Red (97%)
- Yellow (98%)
- Blue (97%)



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



- Cyan (2%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 98, 0.498, 109.987 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, 0.498, 109.987 by changing the saturation by 10% instead.

98, 0.498, 109.987

100, 0.498, 109.987

98, 0.498, 109.987

88, 0.498, 109.987

78, 0.498, 109.987

68, 0.498, 109.987

58, 0.498, 109.987

48, 0.498, 109.987

38, 0.498, 109.987

28, 0.498, 109.987

18, 0.498, 109.987

8, 0.498, 109.987

98, 0.498, 109.987

97, 13.180, 109.341

97, 25.773, 108.371

96, 38.181, 107.405

96, 50.254, 106.463

96, 61.759, 105.573

96, 72.342, 104.766

95, 81.502, 104.084

95, 88.630, 103.568

98, 0.498, 109.987

98, 2.921, 291.124

98, 2.922, 291.854

98, 2.924, 292.583

98, 2.926, 293.311

98, 2.928, 294.038

98, 2.931, 294.764

98, 2.935, 295.488

98, 2.939, 296.211

98, 2.944, 296.931

95, 93.195, 103.252

Harmonies

Complementary

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

```
98, 0.498, 109.987
```

```
98, 0.523, 290.527
```

Rectangle

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

98, 0.498, 109.987

98, 0.498, 159.987

98, 0.498, 289.987

98, 0.498, 339.987

Sweetspot

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

98, 0.500, 110.161

100, 0.012, 296.813

98, 0.354, 17.594

53, 0.007, 296.813

0, 0.000, 0.000

Same Dimension

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

98, 0.500, 110.161

100, 0.012, 296.813

98, 0.532, 129.313

52, 0.007, 296.813

74, 77.282, 103.119

25, 34.378, 103.313

Inverse Universe

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

98, 0.523, 290.527

100, 0.012, 296.813

98, 0.555, 308.835

52, 0.007, 296.813

23, 106.687, 306.300

3, 42.038, 300.904

Previews

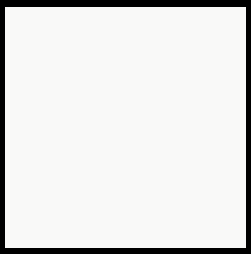
White Background

This preview shows how the CIELCh color 98, 0.498, 109.987 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



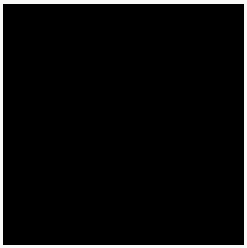
This preview shows how the CIELCh color 98, 0.498, 109.987 looks on a black background.

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, 0.498, 109.987 Background



This preview shows how black text looks on a background with the CIELCh color 98, 0.498, 109.987.

This preview shows how white text looks on a background with the CIELCh color 98, 0.498, 109.987.

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, 0.498, 109.987

Protanopia
98, 2.116, 19.237

Deuteranopia
98, 3.011, 359.612

Tritanopia
98, 3.658, 301.411

Trichromacy

Original Color
98, 0.498, 109.987

Protanomaly
98, 1.409, 19.037

Deuteranomaly
98, 1.840, 3.099

Tritanomaly
98, 2.664, 305.560

Monochromacy

Original Color
98, 0.498, 109.987

Achromatopsia
98, 0.011, 296.813

Achromatomaly
98, 0.011, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 98, 0.498, 109.987 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, 248) looks like.

```
.text, #text, p{
    color:rgb(249, 249, 248)
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 249, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 98, 0.498, 109.987 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, 248) }
```

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

```
.border{ border-color:rgb(249, 249, 248) }
```

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, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 249, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 249, 248); box-shadow:4px 4px 4px 4px rgb(249, 249, 248) }
```

Background

The CSS property to change the background color of an element to CIELCh 98, 0.498, 109.987 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, 248) }
```

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

```
.background{ background-color:rgb(249,
249, 248) }
```

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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