

Converting Colors

CIE LCh(96, 14.067, 90.103)

Have a look what the booklet for
CIELCh(96, 14.067, 90.103) contains.

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Color

CIELCh(96, 14.112, 89.169)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2D8
RGB	255, 242, 216
RGB Percent	100%, 95%, 85%
CMY	0.0000, 0.0496, 0.1516
CMYK	0.00, 0.05, 0.15, 0.00
HSL	40°, 100%, 92%
HSV	40°, 15%, 100%
XYZ	85.6586, 90.0078, 78.0509
YIQ	242.9230, 16.0940, -5.3300

Conversions

Conversions Part 2

Format	Color
R_{YB}	236, 255, 216
Decimal	16773848
CIE _{Lab}	96.00, 0.20, 14.11
CIE _{LCh}	96, 14.112, 89.169
Yxy	90.0078, 0.3376, 0.3548
Android (android.graphics.Color)	4294963928 (0xFFFFF2D8)
YUV	242.9230, -13.2730, 10.5915
Hunter-Lab	94.8724, -4.8624, 17.6332

Details

The CIELCh color **96, 14.112, 89.169** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 14.046, 273.715**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 14.209, 89.489** is the 20% darker color. If you saturate the color by 10%, you get **93, 23.592, 88.365**, and if you desaturate by 10%, it is **99, 4.734, 90.908**.

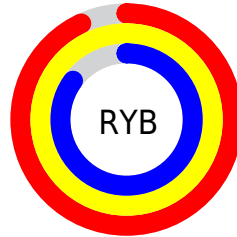
Distribution



Red (100%)

Green (95%)

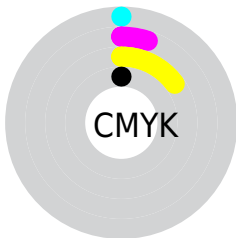
Blue (85%)



Red (93%)

Yellow (100%)

Blue (85%)

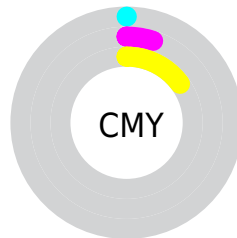


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (15%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 14.112, 89.169 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, 14.112, 89.169 by changing the saturation by 10% instead.

 96, 14.112, 89.169

 96, 14.112, 89.169

 100, 14.112,
89.169

 86, 14.112, 89.169

 76, 14.112, 89.169

 66, 14.112, 89.169

 56, 14.112, 89.169

 46, 14.112, 89.169

 36, 14.112, 89.169

 26, 14.112, 89.169

 16, 14.112, 89.169

 6, 14.112, 89.169

96, 14.112, 89.169

96, 14.112, 89.169

93, 23.592, 88.365

99, 4.734, 90.908

91, 33.270, 87.010

100, 0.012,
296.813

88, 43.032, 85.613

86, 52.728, 84.168

84, 62.066, 82.654

82, 70.527, 81.015

79, 77.289, 79.142

77, 81.384, 76.853

76, 82.534, 75.604

Harmonies

Complementary

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



96, 14.112, 89.169



91, 14.046, 273.715

Rectangle

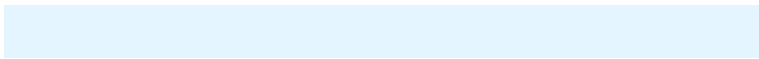
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 14.112, 89.169



96, 14.112, 139.169



96, 14.112, 269.169



96, 14.112, 319.169

Sweetspot

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



96, 14.070, 89.674



99, 4.584, 90.927



90, 15.534, 355.156



52, 3.130, 90.846



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

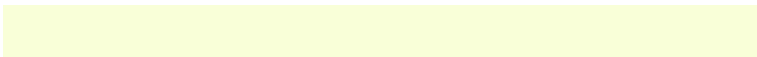
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 14.070, 89.674



95, 16.753, 89.308



99, 19.714, 115.601



52, 5.242, 90.389



59, 66.501, 76.142



19, 28.177, 78.907

Inverse Universe

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



91, 14.046, 273.715



89, 16.713, 274.160



88, 20.382, 297.921



50, 5.244, 272.890



32, 79.745, 297.024



8, 31.993, 291.940

Previews

White Background



This preview shows how the CIE LCh color 96, 14.112, 89.169 looks on a white background.

Color Contrast Check

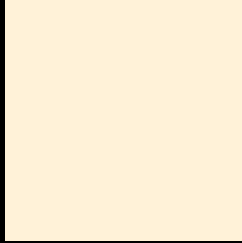
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 96, 14.112, 89.169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

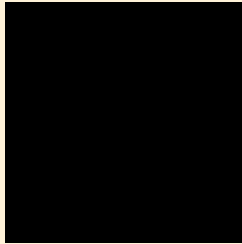
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 14.112, 89.169

Background



This preview shows how black text looks on a background with the CIELCh color 96, 14.112, 89.169.



This preview shows how white text looks on a background with the CIELCh color 96, 14.112, 89.169.

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


96, 14.112, 89.169

Protanopia

96, 14.354, 92.611

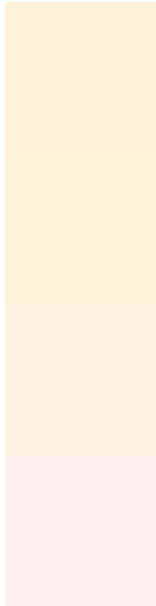
Deuteranopia

96, 5.882, 50.939



Tritanopia
96, 8.758, 330.441

Trichromacy



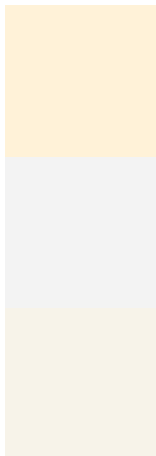
Original Color
96, 14.112, 89.169

Protanomaly
96, 14.354, 92.611

Deuteranomaly
96, 8.355, 72.056

Tritanomaly
96, 5.387, 25.079

Monochromacy



Original Color
96, 14.112, 89.169

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 5.290, 94.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 14.112, 89.169 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, 242, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 216)  
}
```

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, 242, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 14.112, 89.169 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, 242, 216) }
```

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

```
.border{ border-color:rgb(255, 242, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 14.112, 89.169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 216) }
```

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

```
.background{ background-color: rgb(255,  
242, 216) }
```

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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