

Converting Colors

CIE LCh(96, 15.190, 82.443)

Have a look what the booklet for
CIELCh(96, 15.190, 82.443) contains.

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Color

CIELCh(96, 14.256, 87.748)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2D8
RGB	255, 242, 216
RGB Percent	100%, 95%, 85%
CMY	0.0000, 0.0505, 0.1526
CMYK	0.00, 0.05, 0.15, 0.00
HSL	40°, 100%, 92%
HSV	40°, 15%, 100%
XYZ	85.8479, 90.0078, 77.8751
YIQ	242.9230, 16.0940, -5.3300

Conversions

Conversions Part 2

Format	Color
R_{YB}	236, 255, 216
Decimal	16773848
CIE _{Lab}	96.00, 0.56, 14.24
CIE _{LCh}	96, 14.256, 87.748
Yxy	90.0078, 0.3383, 0.3547
Android (android.graphics.Color)	4294963928 (0xFFFFF2D8)
YUV	242.9230, -13.2730, 10.5915
Hunter-Lab	94.8724, -4.5063, 17.7431

Details

The CIELCh color **96, 14.256, 87.748** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **91, 14.075, 273.431**, 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, 23.604, 88.043**, and if you desaturate by 10%, it is **99, 4.803, 90.592**.

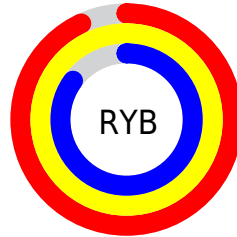
Distribution



Red (100%)

Green (95%)

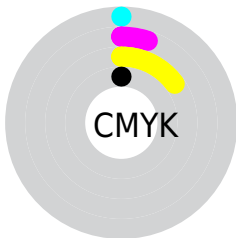
Blue (85%)



Red (93%)

Yellow (100%)

Blue (85%)

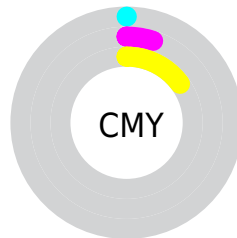


Cyan (0%)

Magenta (5%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 14.256, 87.748 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, 14.256, 87.748 by changing the saturation by 10% instead.

 96, 14.256, 87.748

 96, 14.256, 87.748

 100, 14.256,
87.748

 86, 14.256, 87.748

 76, 14.256, 87.748

 66, 14.256, 87.748

 56, 14.256, 87.748

 46, 14.256, 87.748

 36, 14.256, 87.748

 26, 14.256, 87.748

 16, 14.256, 87.748

 6, 14.256, 87.748

96, 14.256, 87.748

96, 14.256, 87.748

93, 23.604, 88.043

99, 4.803, 90.592

91, 33.260, 86.685

100, 0.012,
296.813

88, 43.006, 85.285

86, 52.692, 83.837

84, 62.029, 82.318

81, 70.496, 80.671

79, 77.268, 78.784

77, 81.373, 76.471

76, 82.518, 75.236

Harmonies

Complementary

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



96, 14.256, 87.748



91, 14.075, 273.431

Rectangle

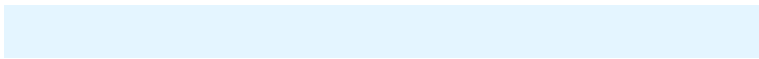
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 14.256, 87.748



96, 14.256, 137.748



96, 14.256, 267.748



96, 14.256, 317.748

Sweetspot

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



96, 14.109, 89.355



99, 4.566, 90.621



90, 15.635, 355.167



52, 3.118, 90.541



0, 0.000, 0.000



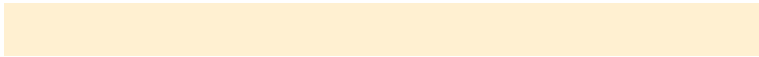
53, 0.007, 296.813

Same Dimension

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



96, 14.109, 89.355



95, 16.694, 89.000



99, 19.838, 115.593



52, 5.223, 90.083



59, 66.483, 75.780



19, 28.125, 78.547

Inverse Universe

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



91, 14.075, 273.431



89, 16.640, 273.863



88, 20.515, 297.930



50, 5.222, 272.590



33, 79.267, 296.814



8, 31.798, 291.697

Previews

White Background



This preview shows how the CIELCh color 96, 14.256, 87.748 looks on a white background.

Color Contrast Check

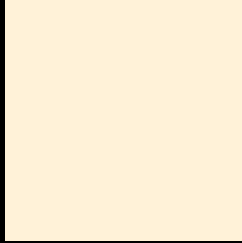
Large Text (above 18pt) WCAG AA × Fail

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, 14.256, 87.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

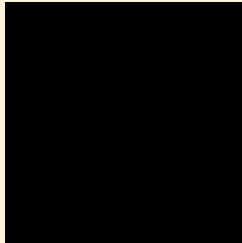
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 14.256, 87.748

Background



This preview shows how black text looks on a background with the CIELCh color 96, 14.256, 87.748.



This preview shows how white text looks on a background with the CIELCh color 96, 14.256, 87.748.

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, 13.989, 90.607

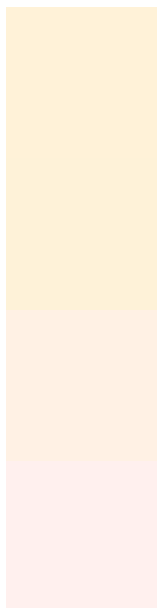
Deuteranopia

96, 5.960, 44.972



Tritanopia
96, 8.376, 332.702

Trichromacy



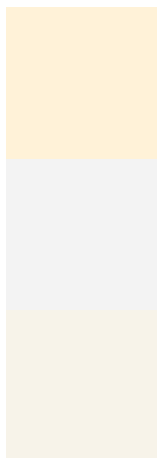
Original Color
96, 14.112, 89.169

Protanomaly
96, 13.989, 90.607

Deuteranomaly
96, 8.355, 72.056

Tritanomaly
96, 5.464, 30.405

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, 14.256, 87.748 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, 14.256, 87.748 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, 14.256, 87.748 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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