

Converting Colors

CIELCh(96, 13.151, 87.787)

Have a look what the booklet for
CIELCh(96, 13.151, 87.787) contains.

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Color

CIELCh(96, 13.151, 87.787)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DA
RGB	255, 242, 218
RGB Percent	100%, 95%, 85%
CMY	0.0000, 0.0501, 0.1443
CMYK	0.00, 0.05, 0.14, 0.00
HSL	39°, 100%, 93%
HSV	39°, 14%, 100%
XYZ	85.8200, 90.0078, 79.3258
YIQ	243.1510, 15.4520, -4.7080

Conversions

Conversions Part 2

Format	Color
RYB	238, 255, 218
Decimal	16773850
CIELab	96.00, 0.51, 13.14
CIELCh	96, 13.151, 87.787
Yxy	90.0078, 0.3363, 0.3528
Android (android.graphics.Color)	4294963930 (0xFFFFF2DA)
YUV	243.1510, -12.3994, 10.3916
Hunter-Lab	94.8724, -4.5588, 16.8365

Details

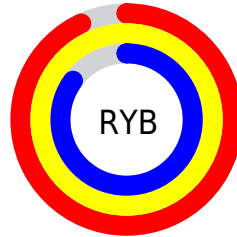
The CIELCh color **96, 13.151, 87.787** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 13.059, 272.005**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 13.196, 88.116** is the 20% darker color. If you saturate the color by 10%, you get **93, 22.483, 86.815**, and if you desaturate by 10%, it is **99, 3.972, 89.361**.

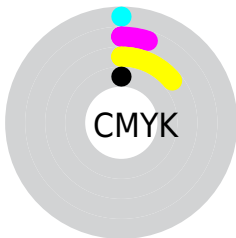
Distribution



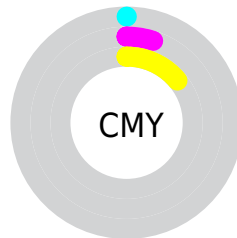
- Red (100%)
- Green (95%)
- Blue (85%)



- Red (93%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 13.151, 87.787 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, 13.151, 87.787 by changing the saturation by 10% instead.

 96, 13.151, 87.787

 96, 13.151, 87.787

 100, 13.151,
87.787

 86, 13.151, 87.787

 76, 13.151, 87.787

 66, 13.151, 87.787

 56, 13.151, 87.787

 46, 13.151, 87.787

 36, 13.151, 87.787

 26, 13.151, 87.787

 16, 13.151, 87.787

 6, 13.151, 87.787

96, 13.151, 87.787

96, 13.151, 87.787

93, 22.483, 86.815

99, 3.972, 89.361

91, 32.030, 85.452

100, 0.012,
296.813

88, 41.705, 84.047

86, 51.373, 82.593

83, 60.771, 81.068

81, 69.412, 79.414

79, 76.498, 77.515

76, 81.026, 75.174

75, 82.496, 73.672

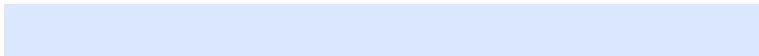
Harmonies

Complementary

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



96, 13.151, 87.787



91, 13.059, 272.005

Rectangle

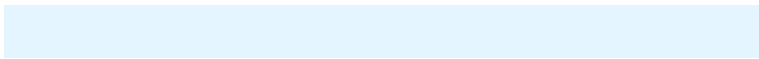
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 13.151, 87.787



96, 13.151, 137.787



96, 13.151, 267.787



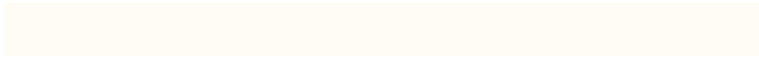
96, 13.151, 317.787

Sweetspot

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



96, 13.123, 88.132



99, 3.587, 89.406



90, 14.888, 353.962



53, 2.553, 89.325



0, 0.000, 0.000



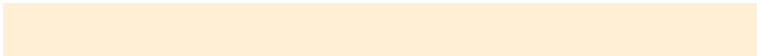
53, 0.007, 296.813

Same Dimension

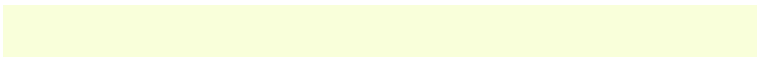
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 13.123, 88.132



95, 15.513, 87.798



99, 18.731, 114.976



52, 5.140, 88.756



58, 66.445, 74.242



19, 27.915, 77.005

Inverse Universe

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



91, 13.059, 272.005



90, 15.416, 272.407



89, 19.341, 297.246



50, 5.131, 271.286



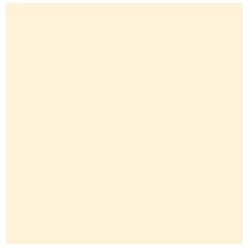
33, 77.225, 295.890



9, 30.973, 290.630

Previews

White Background



This preview shows how the CIE LCh color 96, 13.151, 87.787 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, 13.151, 87.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

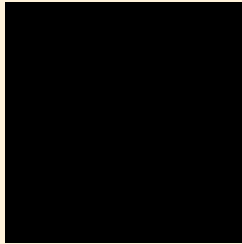
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 13.151, 87.787

Background



This preview shows how black text looks on a background with the CIELCh color 96, 13.151, 87.787.



This preview shows how white text looks on a background with the CIELCh color 96, 13.151, 87.787.

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, 13.151, 87.787

Protanopia

96, 13.375, 91.499

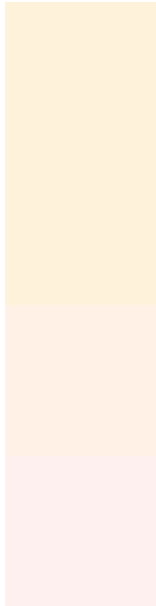
Deuteranopia

96, 5.628, 46.539



Tritanopia
96, 8.758, 330.441

Trichromacy



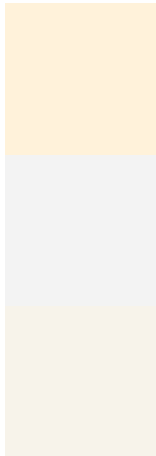
Original Color
96, 13.151, 87.787

Protanomaly
96, 13.375, 91.499

Deuteranomaly
96, 7.557, 67.484

Tritanomaly
96, 5.358, 19.646

Monochromacy



Original Color
96, 13.151, 87.787

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 4.799, 92.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 13.151, 87.787 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 13.151, 87.787 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, 218) }
```

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

```
.border{ border-color:rgb(255, 242, 218) }
```

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, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 13.151, 87.787 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
242, 218) }
```

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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