

Converting Colors

CIELCh(97, 15.918, 62.644)

Have a look what the booklet for
CIELCh(97, 15.918, 62.644) contains.

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Color

CIELCh(96, 12.361, 84.582)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DC
RGB	255, 242, 220
RGB Percent	100%, 95%, 86%
CMY	0.0000, 0.0515, 0.1378
CMYK	0.00, 0.05, 0.14, 0.00
HSL	38°, 100%, 93%
HSV	38°, 14%, 100%
XYZ	86.1717, 90.0078, 80.4357
YIQ	243.3790, 14.8100, -4.0860

Conversions

Conversions Part 2

Format	Color
RYB	241, 255, 220
Decimal	16773852
CIELab	96.00, 1.17, 12.31
CIELCh	96, 12.361, 84.582
Yxy	90.0078, 0.3358, 0.3508
Android (android.graphics.Color)	4294963932 (0xFFFFF2DC)
YUV	243.3790, -11.5258, 10.1916
Hunter-Lab	94.8724, -3.8970, 16.1429

Details

The CIELCh color **96, 12.361, 84.582** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92, 12.119, 269.714**, 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, 12.193, 86.498** is the 20% darker color. If you saturate the color by 10%, you get **93, 21.392, 84.659**, and if you desaturate by 10%, it is **99, 3.306, 87.199**.

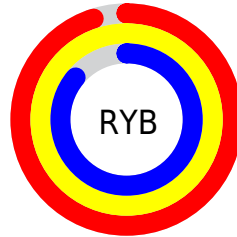
Distribution



Red (100%)

Green (95%)

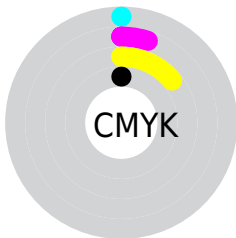
Blue (86%)



Red (95%)

Yellow (100%)

Blue (86%)

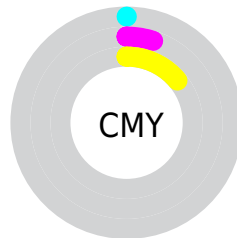


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 12.361, 84.582 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, 12.361, 84.582 by changing the saturation by 10% instead.

 96, 12.361, 84.582

 96, 12.361, 84.582

 100, 12.361,
84.582

 86, 12.361, 84.582

 76, 12.361, 84.582

 66, 12.361, 84.582

 56, 12.361, 84.582

 46, 12.361, 84.582

 36, 12.361, 84.582

 26, 12.361, 84.582

 16, 12.361, 84.582

 6, 12.361, 84.582

96, 12.361, 84.582

96, 12.361, 84.582

93, 21.392, 84.659

99, 3.306, 87.199

90, 30.782, 83.291

100, 0.012,
296.813

87, 40.350, 81.881

85, 49.984, 80.423

82, 59.445, 78.892

80, 68.284, 77.229

77, 75.728, 75.308

75, 80.746, 72.912

74, 82.612, 71.162

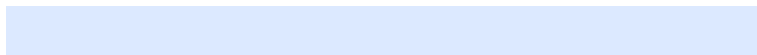
Harmonies

Complementary

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



96, 12.361, 84.582



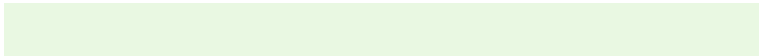
92, 12.119, 269.714

Rectangle

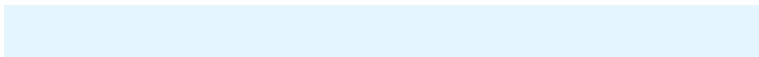
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 12.361, 84.582



96, 12.361, 134.582



96, 12.361, 264.582



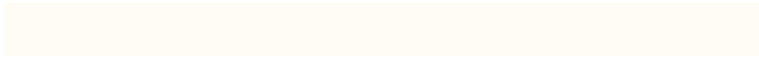
96, 12.361, 314.582

Sweetspot

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



96, 12.230, 85.981



99, 3.495, 87.177



91, 14.475, 351.729



53, 2.488, 87.096



0, 0.000, 0.000



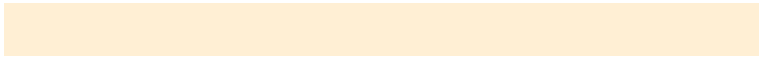
53, 0.007, 296.813

Same Dimension

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



96, 12.230, 85.981



95, 15.150, 85.562



99, 17.855, 113.662



52, 5.013, 86.526



57, 66.503, 71.770



18, 27.621, 74.469

Inverse Universe

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



92, 12.119, 269.714



90, 14.970, 270.218



89, 18.420, 295.963



50, 4.989, 269.086



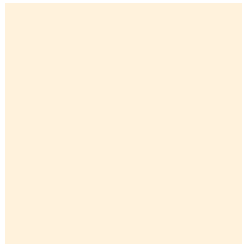
35, 73.911, 294.287



9, 29.655, 288.797

Previews

White Background



This preview shows how the CIE LCh color 96, 12.361, 84.582 looks on a white background.

Color Contrast Check

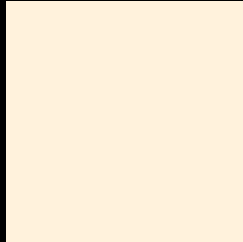
Large Text (above 18pt) WCAG AA × Fail

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, 12.361, 84.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

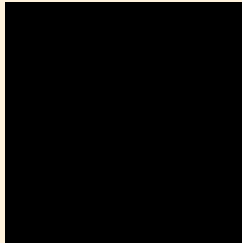
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 12.361, 84.582

Background



This preview shows how black text looks on a background with the CIELCh color 96, 12.361, 84.582.



This preview shows how white text looks on a background with the CIELCh color 96, 12.361, 84.582.

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, 12.200, 86.175

Protanopia

96, 11.928, 89.458

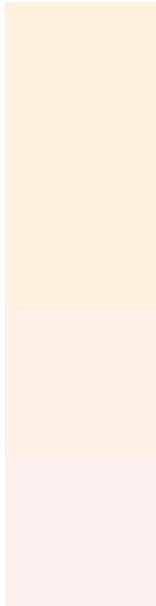
Deuteranopia

96, 5.754, 40.409



Tritanopia
96, 8.758, 330.441

Trichromacy



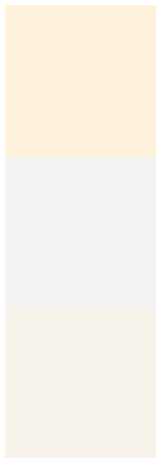
Original Color
96, 12.200, 86.175

Protanomaly
96, 12.059, 87.799

Deuteranomaly
96, 7.557, 67.484

Tritanomaly
96, 5.358, 19.646

Monochromacy



Original Color
96, 12.200, 86.175

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 4.312, 90.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 12.361, 84.582 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 12.361, 84.582 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, 220) }
```

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

```
.border{ border-color:rgb(255, 242, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 12.361, 84.582 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
242, 220) }
```

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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