

Converting Colors

CIELCh(99, 20.748, 35.272)

Have a look what the booklet for
CIELCh(99, 20.748, 35.272) contains.

CIELCh(96, 7.450, 62.820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(96, 7.450, 62.820)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1E7
RGB	255, 241, 231
RGB Percent	100%, 95%, 91%
CMY	0.0000, 0.0555, 0.0947
CMYK	0.00, 0.06, 0.09, 0.00
HSL	25°, 100%, 95%
HSV	25°, 9%, 100%
XYZ	87.3717, 90.0078, 88.2551
YIQ	244.0460, 11.5540, -0.1420

Conversions

Conversions Part 2

Format	Color
R_{YB}	255, 248, 231
Decimal	16773607
CIE Lab	96.00, 3.40, 6.63
CIE LCh	96, 7.450, 62.820
Yxy	90.0078, 0.3289, 0.3388
Android (android.graphics.Color)	4294963687 (0xFFFFF1E7)
YUV	244.0460, -6.4317, 9.6067
Hunter-Lab	94.8724, -1.6393, 11.2562

Details

The CIELCh color **96, 7.450, 62.820** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **96, 6.969, 246.813**, 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, 7.311, 66.710** is the 20% darker color. If you saturate the color by 10%, you get **92, 15.313, 63.534**, and if you desaturate by 10%, it is **100, 0.012, 296.813**.

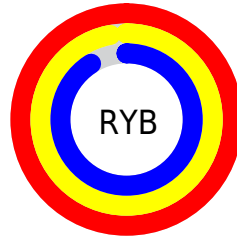
Distribution



Red (100%)

Green (95%)

Blue (91%)



Red (100%)

Yellow (97%)

Blue (91%)



Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 7.450, 62.820 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, 7.450, 62.820 by changing the saturation by 10% instead.

 96, 7.450, 62.820	 96, 7.450, 62.820
 100, 7.450, 62.820	 86, 7.450, 62.820
	 76, 7.450, 62.820
	 66, 7.450, 62.820
	 56, 7.450, 62.820
	 46, 7.450, 62.820
	 36, 7.450, 62.820
	 26, 7.450, 62.820
	 16, 7.450, 62.820
	 6, 7.450, 62.820

96, 7.450, 62.820

96, 7.450, 62.820

92, 15.313, 63.534

100, 0.012,
296.813

88, 23.917, 62.503

84, 33.066, 61.495

80, 42.758, 60.519

76, 52.922, 59.564

72, 63.346, 58.583

69, 73.538, 57.441

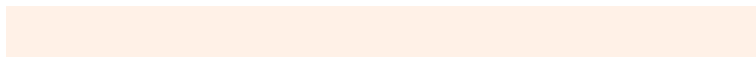
66, 82.497, 55.843

63, 89.037, 53.449

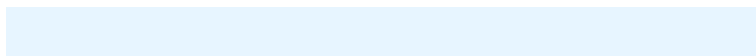
Harmonies

Complementary

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



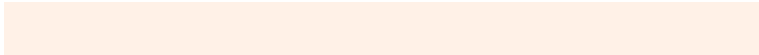
96, 7.450, 62.820



96, 6.969, 246.813

Rectangle

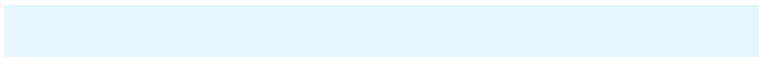
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 7.450, 62.820



96, 7.450, 112.820



96, 7.450, 242.820



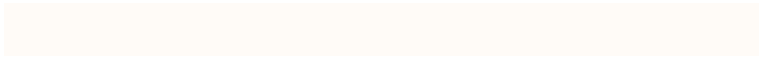
96, 7.450, 292.820

Sweetspot

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



96, 7.222, 64.557



99, 2.239, 65.087



94, 11.390, 339.317



52, 1.703, 65.051



0, 0.000, 0.000



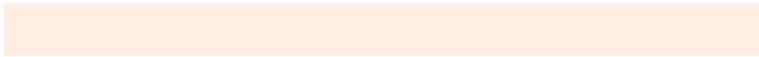
53, 0.007, 296.813

Same Dimension

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



96, 7.222, 64.557



95, 8.427, 64.405



99, 11.049, 104.798



51, 4.336, 64.554



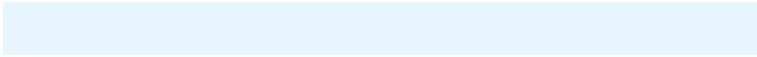
48, 71.584, 54.018



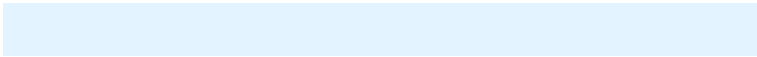
15, 27.351, 53.536

Inverse Universe

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



96, 6.969, 246.813



95, 8.078, 247.000



93, 11.246, 286.875



51, 4.183, 246.817



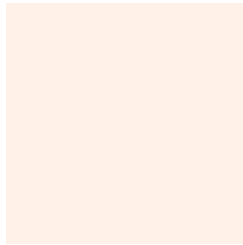
46, 48.970, 274.431



14, 20.391, 267.304

Previews

White Background



This preview shows how the CIE LCh color 96, 7.450, 62.820 looks on a white background.

Color Contrast Check

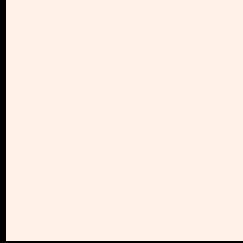
Large Text (above 18pt) WCAG AA × Fail

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, 7.450, 62.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

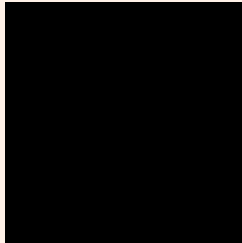
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 7.450, 62.820

Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.450, 62.820.

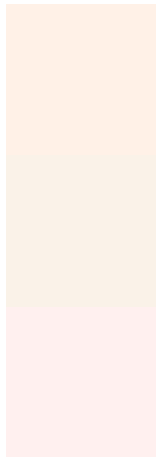


This preview shows how white text looks on a background with the CIELCh color 96, 7.450, 62.820.

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, 7.181, 64.819

Protanopia

96, 5.845, 80.210

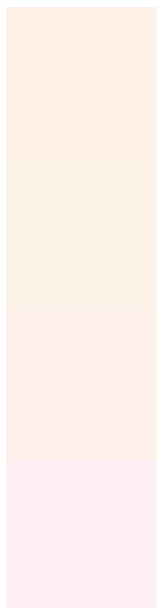
Deuteranopia

96, 5.387, 25.079



Tritanopia
96, 9.153, 328.376

Trichromacy



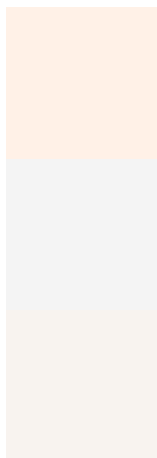
Original Color
96, 7.181, 64.819

Protanomaly
96, 6.233, 74.377

Deuteranomaly
96, 5.754, 40.409

Tritanomaly
96, 5.924, 354.146

Monochromacy



Original Color
96, 7.181, 64.819

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.690, 68.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 7.450, 62.820 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, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 231)  
}
```

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, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 7.450, 62.820 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, 241, 231) }
```

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

```
.border{ border-color:rgb(255, 241, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 7.450, 62.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 231) }
```

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

```
.background{ background-color: rgb(255,  
241, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor