

Converting Colors

CIELCh(96, 7.854, 75.543)

Have a look what the booklet for
CIELCh(96, 7.854, 75.543) contains.

CIELCh(96, 7.922, 76.272)	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, 7.922, 76.272)

Conversions

Conversions Part 1

Format	Color
Hex	FEF2E5
RGB	254, 242, 229
RGB Percent	100%, 95%, 90%
CMY	0.0050, 0.0520, 0.1030
CMYK	0.00, 0.05, 0.10, 0.00
HSL	31°, 91%, 95%
HSV	31°, 10%, 100%
XYZ	86.5531, 90.0078, 86.7469
YIQ	244.1060, 11.3250, -1.4990

Conversions

Conversions Part 2

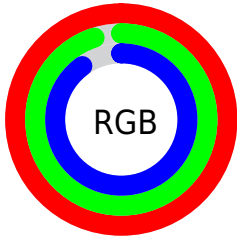
Format	Color
R _Y B	252, 254, 229
Decimal	16708325
CIE Lab	96.00, 1.88, 7.70
CIE LCh	96, 7.922, 76.272
Yxy	90.0078, 0.3287, 0.3418
Android (android.graphics.Color)	4294898405 (0xFFFEF2E5)
YUV	244.1060, -7.4473, 8.6770
Hunter-Lab	94.8724, -3.1794, 12.1987

Details

The CIELCh color **96, 7.922, 76.272** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **95, 7.764, 258.944**, 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, 7.683, 76.251** is the 20% darker color. If you saturate the color by 10%, you get **92, 16.324, 75.040**, and if you desaturate by 10%, it is **100, 0.127, 260.908**.

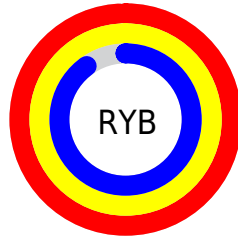
Distribution



Red (100%)

Green (95%)

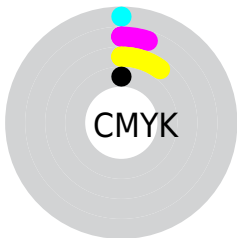
Blue (90%)



Red (99%)

Yellow (100%)

Blue (90%)

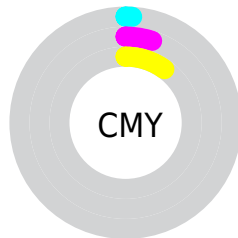


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (0%)



Cyan (1%)

Magenta (5%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 7.922, 76.272 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, 7.922, 76.272 by changing the saturation by 10% instead.

 96, 7.922, 76.272	 96, 7.922, 76.272
 100, 7.922, 76.272	 86, 7.922, 76.272
	 76, 7.922, 76.272
	 66, 7.922, 76.272
	 56, 7.922, 76.272
	 46, 7.922, 76.272
	 36, 7.922, 76.272
	 26, 7.922, 76.272
	 16, 7.922, 76.272
	 6, 7.922, 76.272

96, 7.922, 76.272

96, 7.922, 76.272

92, 16.324, 75.040

100, 0.127,
260.908

89, 25.099, 73.749

100, 0.441,
200.881

86, 34.251, 72.434

82, 43.743, 71.098

79, 53.454, 69.721

76, 63.107, 68.251

73, 72.136, 66.560

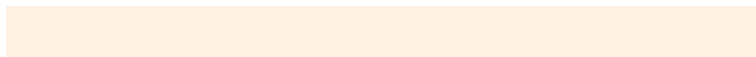
70, 79.548, 64.399

68, 84.486, 61.532

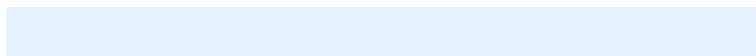
Harmonies

Complementary

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



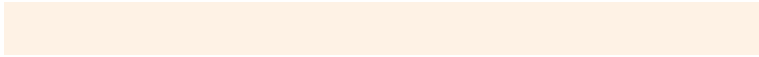
96, 7.922, 76.272



95, 7.764, 258.944

Rectangle

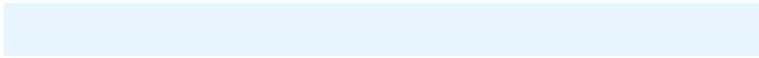
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 7.922, 76.272



96, 7.922, 126.272



96, 7.922, 256.272



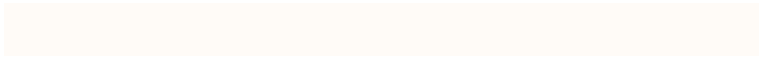
96, 7.922, 306.272

Sweetspot

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



96, 7.923, 76.292



99, 2.382, 77.027



93, 10.897, 345.360



53, 1.810, 76.965



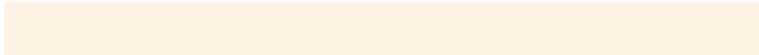
0, 0.000, 0.000



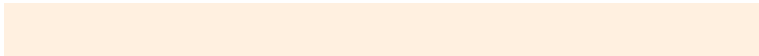
53, 0.007, 296.813

Same Dimension

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



96, 7.923, 76.292



96, 9.737, 76.028



99, 12.664, 109.900



51, 4.588, 76.333



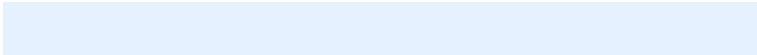
52, 68.150, 62.183



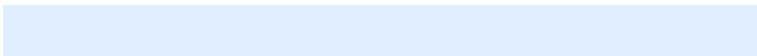
16, 27.016, 63.852

Inverse Universe

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



95, 7.764, 258.944



94, 9.489, 259.252



92, 12.960, 291.838



50, 4.500, 258.897



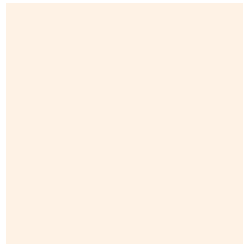
40, 60.702, 286.105



11, 24.614, 279.713

Previews

White Background



This preview shows how the CIELCh color 96, 7.922, 76.272 looks on a white background.

Color Contrast Check

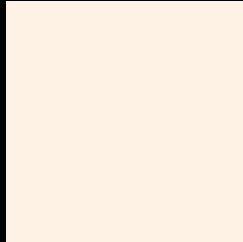
Large Text (above 18pt) WCAG AA × Fail

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, 7.922, 76.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

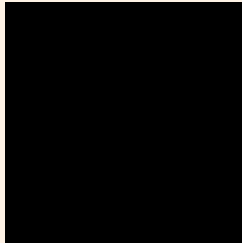
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 7.922, 76.272

Background



This preview shows how black text looks on a background with the CIELCh color 96, 7.922, 76.272.

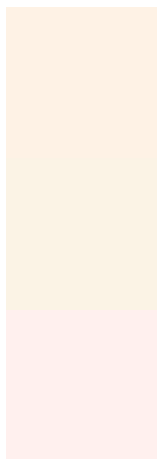


This preview shows how white text looks on a background with the CIELCh color 96, 7.922, 76.272.

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, 7.922, 76.272

Protanopia

96, 7.694, 87.477

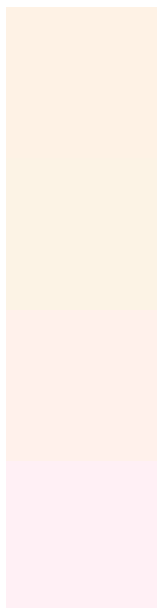
Deuteranopia

96, 5.464, 30.405



Tritanopia
96, 9.560, 326.487

Trichromacy



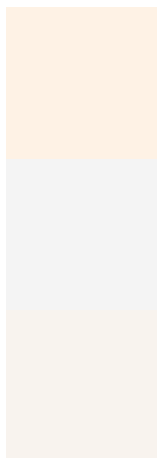
Original Color
96, 7.922, 76.272

Protanomaly
96, 7.837, 85.001

Deuteranomaly
96, 5.882, 50.939

Tritanomaly
96, 5.924, 354.146

Monochromacy



Original Color
96, 7.922, 76.272

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 3.094, 74.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 7.922, 76.272 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(254, 242, 229)` looks like.

```
.text, #text, p{  
    color:rgb(254, 242, 229)  
}
```

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(254, 242, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 242, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 7.922, 76.272 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(254, 242, 229) }
```

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

```
.border{ border-color:rgb(254, 242, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 242, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 242, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 242, 229);  
box-shadow:4px 4px 4px 4px rgb(254, 242,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 7.922, 76.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 242, 229) }
```

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

```
.background{ background-color: rgb(254,  
242, 229) }
```

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