

Converting Colors

CIELCh(100, 25.468, 41.277)

Have a look what the booklet for
CIELCh(100, 25.468, 41.277)
contains.

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Color

CIELCh(96, 10.520, 80.229)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E0
RGB	255, 242, 224
RGB Percent	100%, 95%, 88%
CMY	0.0000, 0.0525, 0.1231
CMYK	0.00, 0.05, 0.12, 0.00
HSL	34°, 100%, 94%
HSV	34°, 12%, 100%
XYZ	86.5024, 90.0078, 83.0506
YIQ	243.8350, 13.5260, -2.8420

Conversions

Conversions Part 2

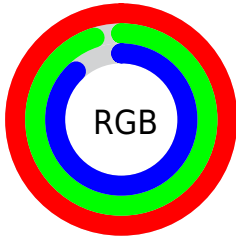
Format	Color
R _Y B	246, 255, 224
Decimal	16773856
CIE Lab	96.00, 1.79, 10.37
CIE LCh	96, 10.520, 80.229
Yxy	90.0078, 0.3333, 0.3468
Android (android.graphics.Color)	4294963936 (0xFFFFF2E0)
YUV	243.8350, -9.7787, 9.7917
Hunter-Lab	94.8724, -3.2748, 14.5087

Details

The CIELCh color **96, 10.520, 80.229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93, 10.240, 264.693**, 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, 10.228, 82.255** is the 20% darker color. If you saturate the color by 10%, you get **93, 19.206, 80.030**, and if you desaturate by 10%, it is **99, 1.915, 82.467**.

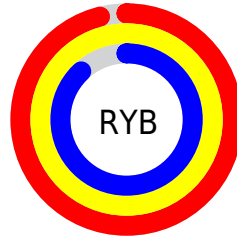
Distribution



Red (100%)

Green (95%)

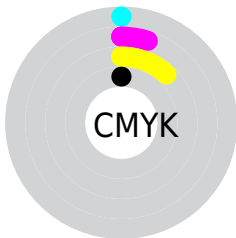
Blue (88%)



Red (96%)

Yellow (100%)

Blue (88%)

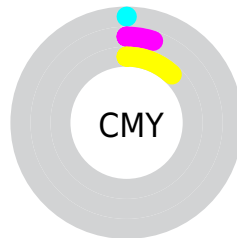


Cyan (0%)

Magenta (5%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 10.520, 80.229 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, 10.520, 80.229 by changing the saturation by 10% instead.

 96, 10.520, 80.229

 96, 10.520, 80.229

 100, 10.520,
80.229

 86, 10.520, 80.229

 76, 10.520, 80.229

 66, 10.520, 80.229

 56, 10.520, 80.229

 46, 10.520, 80.229

 36, 10.520, 80.229

 26, 10.520, 80.229

 16, 10.520, 80.229

 6, 10.520, 80.229

96, 10.520, 80.229

96, 10.520, 80.229

93, 19.206, 80.030

99, 1.915, 82.467

90, 28.303, 78.678

100, 0.012,
296.813

86, 37.682, 77.290

83, 47.264, 75.862

81, 56.870, 74.370

78, 66.123, 72.752

75, 74.329, 70.873

73, 80.429, 68.484

71, 83.396, 66.221

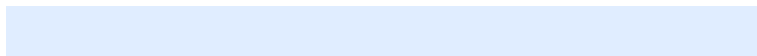
Harmonies

Complementary

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



96, 10.520, 80.229



93, 10.240, 264.693

Rectangle

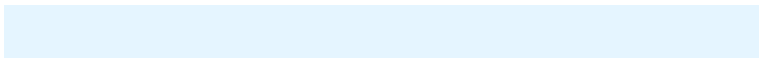
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 10.520, 80.229



96, 10.520, 130.229



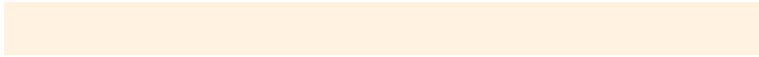
96, 10.520, 260.229



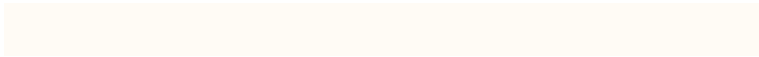
96, 10.520, 310.229

Sweetspot

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



96, 10.412, 81.339



99, 3.328, 82.336



92, 13.290, 348.490



52, 2.369, 82.258



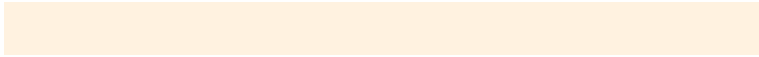
0, 0.000, 0.000



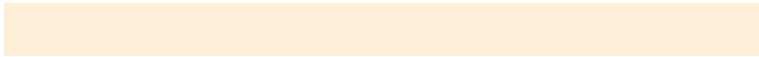
53, 0.007, 296.813

Same Dimension

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



96, 10.412, 81.339



95, 12.745, 80.993



99, 15.910, 111.730



52, 4.783, 81.694



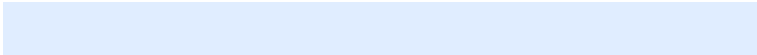
54, 67.050, 66.890



17, 27.200, 69.235

Inverse Universe

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



93, 10.240, 264.693



92, 12.477, 265.105



90, 16.367, 293.968



50, 4.727, 264.284



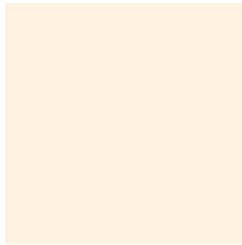
37, 67.260, 290.590



10, 27.079, 284.646

Previews

White Background



This preview shows how the CIELCh color 96, 10.520, 80.229 looks on a white background.

Color Contrast Check

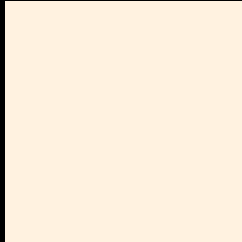
Large Text (above 18pt) WCAG AA × Fail

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, 10.520, 80.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

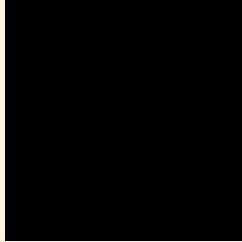
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

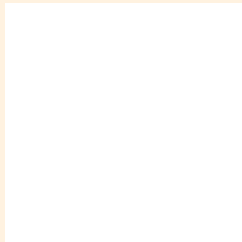
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 96, 10.520, 80.229

Background



This preview shows how black text looks on a background with the CIELCh color 96, 10.520, 80.229.

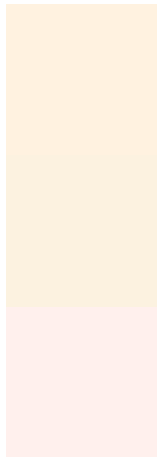


This preview shows how white text looks on a background with the CIELCh color 96, 10.520, 80.229.

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, 10.336, 82.024

Protanopia

96, 9.877, 87.735

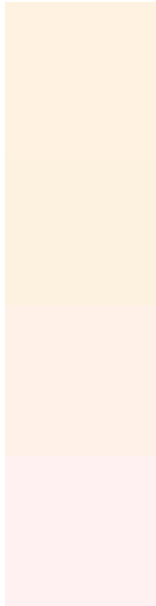
Deuteranopia

96, 5.587, 35.538



Tritanopia
96, 8.758, 330.441

Trichromacy



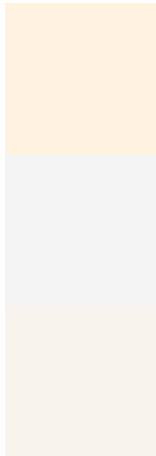
Original Color
96, 10.336, 82.024

Protanomaly
96, 10.018, 85.776

Deuteranomaly
96, 6.821, 61.861

Tritanomaly
96, 5.448, 8.855

Monochromacy



Original Color
96, 10.336, 82.024

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 3.526, 79.510

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 10.520, 80.229 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 10.520, 80.229 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, 224) }
```

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

```
.border{ border-color:rgb(255, 242, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 10.520, 80.229 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
242, 224) }
```

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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