

Converting Colors

CIELCh(96, 6.181, 77.911)

Have a look what the booklet for
CIELCh(96, 6.181, 77.911) contains.

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Color

CIECh(96, 6.031, 77.201)

Conversions

Conversions Part 1

Format	Color
Hex	FBF2E8
RGB	251, 242, 232
RGB Percent	98%, 95%, 91%
CMY	0.0149, 0.0502, 0.0894
CMYK	0.00, 0.04, 0.08, 0.01
HSL	32°, 71%, 95%
HSV	32°, 8%, 99%
XYZ	86.2620, 90.0078, 89.3188
YIQ	243.5510, 8.5740, -1.2020

Conversions

Conversions Part 2

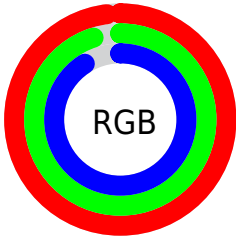
Format	Color
R_{YB}	249, 251, 232
Decimal	16511720
CIE _{Lab}	96.00, 1.34, 5.88
CIE _{LCh}	96, 6.031, 77.201
Yxy	90.0078, 0.3248, 0.3389
Android (android.graphics.Color)	4294701800 (0xFFFBF2E8)
YUV	243.5510, -5.6946, 6.5328
Hunter-Lab	94.8724, -3.7271, 10.5914

Details

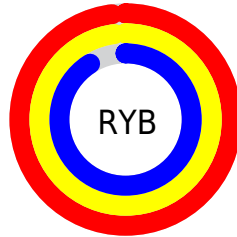
The CIELCh color **96, 6.031, 77.201** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95, 5.952, 259.301**, and the grayscale version is **96, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **76, 6.155, 79.976** is the 20% darker color. If you saturate the color by 10%, you get **92, 14.314, 75.987**, and if you desaturate by 10%, it is **100, 1.103, 224.503**.

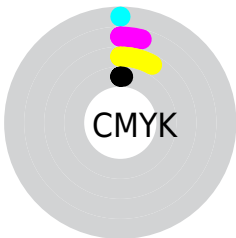
Distribution



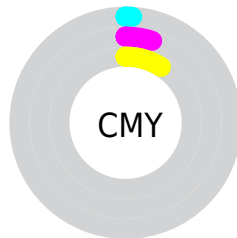
- Red (98%)
- Green (95%)
- Blue (91%)



- Red (98%)
- Yellow (98%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (8%)
- Black (1%)



- Cyan (1%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 6.031, 77.201 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, 6.031, 77.201 by changing the saturation by 10% instead.

- 96, 6.031, 77.201
- 100, 6.031, 77.201
- 96, 6.031, 77.201
- 86, 6.031, 77.201
- 76, 6.031, 77.201
- 66, 6.031, 77.201
- 56, 6.031, 77.201
- 46, 6.031, 77.201
- 36, 6.031, 77.201
- 26, 6.031, 77.201
- 16, 6.031, 77.201
- 6, 6.031, 77.201

96, 6.031, 77.201

96, 6.031, 77.201

92, 14.314, 75.987

100, 1.103,
224.503

89, 22.955, 74.694

100, 1.319,
199.824

86, 31.962, 73.375

82, 41.306, 72.033

79, 50.892, 70.655

76, 60.484, 69.198

73, 69.598, 67.558

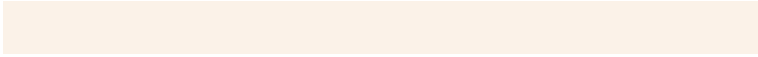
71, 77.351, 65.521

68, 82.620, 62.764

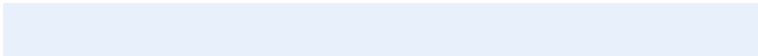
Harmonies

Complementary

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



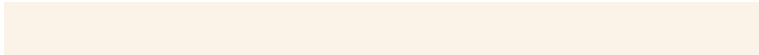
96, 6.031, 77.201



95, 5.952, 259.301

Rectangle

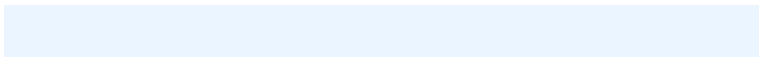
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 6.031, 77.201



96, 6.031, 127.201



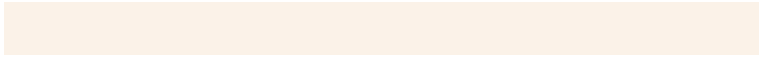
96, 6.031, 257.201



96, 6.031, 307.201

Sweetspot

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



96, 6.032, 77.226



99, 1.589, 77.730



94, 8.277, 345.142



53, 0.903, 77.728



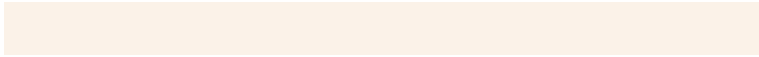
0, 0.000, 0.000



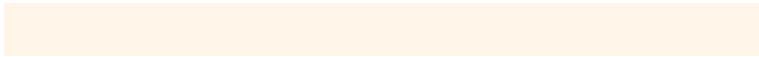
53, 0.007, 296.813

Same Dimension

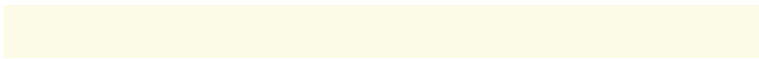
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96, 6.032, 77.226



97, 7.288, 77.055



98, 9.648, 110.116



50, 4.533, 76.996



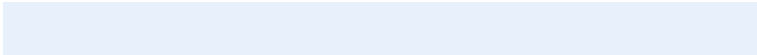
52, 67.306, 62.763



16, 25.852, 64.358

Inverse Universe

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



95, 5.952, 259.301



95, 7.164, 259.494



93, 9.829, 291.593



49, 4.450, 259.561



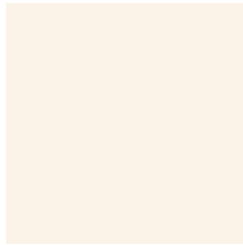
39, 60.796, 286.638



11, 24.072, 279.954

Previews

White Background



This preview shows how the CIELCh color 96, 6.031, 77.201 looks on a white background.

Color Contrast Check

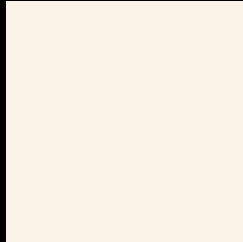
Large Text (above 18pt) WCAG AA × Fail

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, 6.031, 77.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

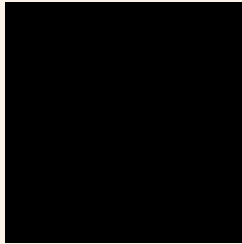
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 96, 6.031, 77.201

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.031, 77.201.

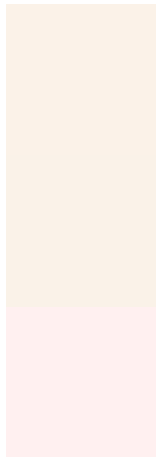


This preview shows how white text looks on a background with the CIELCh color 96, 6.031, 77.201.

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, 6.031, 77.201

Protanopia

96, 5.845, 80.210

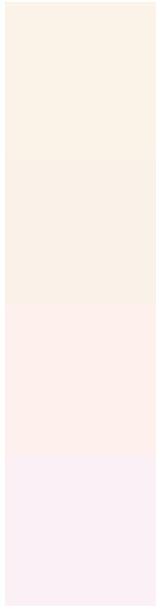
Deuteranopia

96, 5.358, 19.646



Tritanopia
96, 9.600, 321.275

Trichromacy



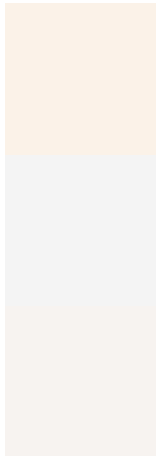
Original Color
96, 6.031, 77.201

Protanomaly
96, 5.845, 80.210

Deuteranomaly
96, 5.076, 43.273

Tritanomaly
96, 5.580, 339.703

Monochromacy



Original Color
96, 6.031, 77.201

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.072, 66.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 6.031, 77.201 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(251, 242, 232)` looks like.

```
.text, #text, p{  
    color:rgb(251, 242, 232)  
}
```

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(251, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 242, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.031, 77.201 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(251, 242, 232) }
```

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

```
.border{ border-color:rgb(251, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(251, 242,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.031, 77.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 242, 232) }
```

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

```
.background{ background-color: rgb(251,  
242, 232) }
```

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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