

Converting Colors

CIELCh(96, 6.762, 53.895)

Have a look what the booklet for
CIELCh(96, 6.762, 53.895) contains.

CIELCh(96, 6.483, 58.581)	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, 6.483, 58.581)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1E9
RGB	255, 241, 233
RGB Percent	100%, 95%, 91%
CMY	0.0002, 0.0551, 0.0865
CMYK	0.00, 0.05, 0.09, 0.00
HSL	22°, 100%, 96%
HSV	22°, 9%, 100%
XYZ	87.3590, 90.0078, 89.8188
YIQ	244.2740, 10.9120, 0.4800

Conversions

Conversions Part 2

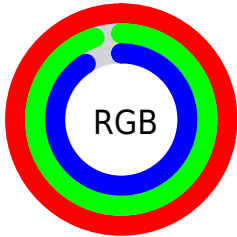
Format	Color
R _Y B	255, 246, 233
Decimal	16773609
CIE Lab	96.00, 3.38, 5.53
CIE LCh	96, 6.483, 58.581
Yxy	90.0078, 0.3270, 0.3369
Android (android.graphics.Color)	4294963689 (0xFFFFF1E9)
YUV	244.2740, -5.5581, 9.4067
Hunter-Lab	94.8724, -1.6631, 10.2790

Details

The CIELCh color **96, 6.483, 58.581** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 6.236, 240.430**, 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, 6.548, 60.500** is the 20% darker color. If you saturate the color by 10%, you get **91, 14.489, 57.767**, and if you desaturate by 10%, it is **100, 0.021, 233.146**.

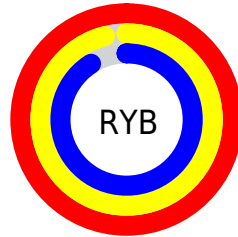
Distribution



Red (100%)

Green (95%)

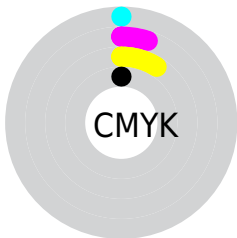
Blue (91%)



Red (100%)

Yellow (96%)

Blue (91%)

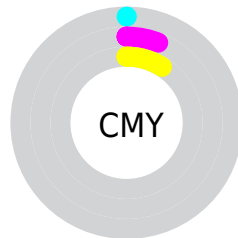


Cyan (0%)

Magenta (5%)

Yellow (9%)

Black (0%)



Cyan (0%)

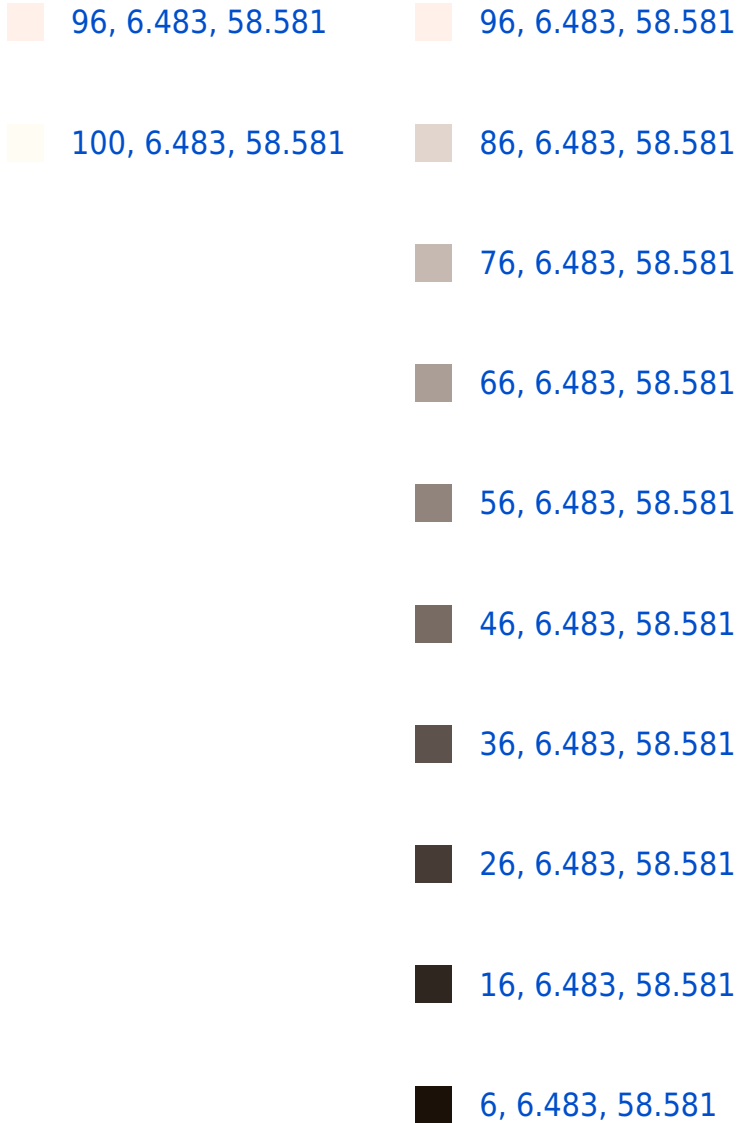
Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 6.483, 58.581 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, 6.483, 58.581 by changing the saturation by 10% instead.



96, 6.483, 58.581

96, 6.483, 58.581

91, 14.489, 57.767

100, 0.021,
233.146

87, 23.065, 56.936

83, 32.254, 56.155

78, 42.066, 55.440

74, 52.451, 54.789

71, 63.232, 54.164

67, 73.966, 53.442

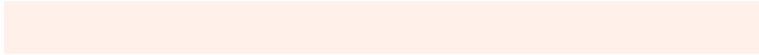
64, 83.697, 52.328

61, 91.009, 50.384

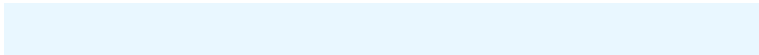
Harmonies

Complementary

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



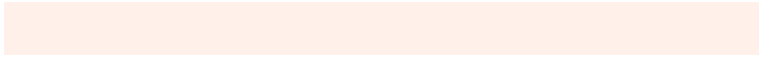
96, 6.483, 58.581



96, 6.236, 240.430

Rectangle

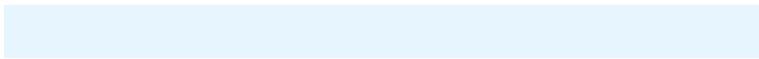
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96, 6.483, 58.581



96, 6.483, 108.581



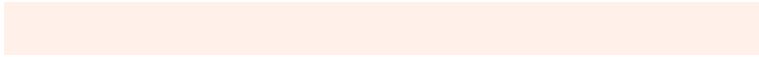
96, 6.483, 238.581



96, 6.483, 288.581

Sweetspot

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



96, 6.483, 58.606



99, 2.209, 58.950



94, 10.740, 336.965



52, 1.680, 58.931



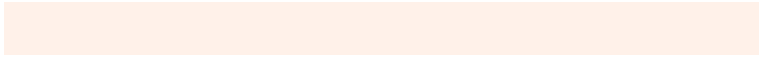
0, 0.000, 0.000



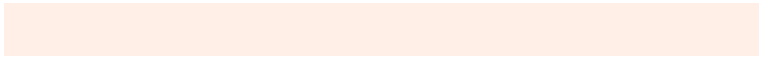
53, 0.007, 296.813

Same Dimension

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



96, 6.483, 58.606



95, 7.550, 58.495



99, 9.552, 102.288



51, 4.285, 58.535



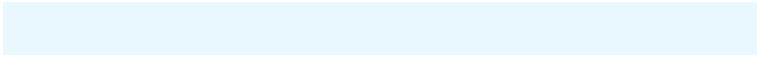
46, 73.596, 50.772



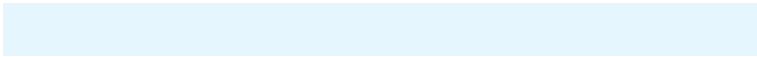
14, 27.798, 48.994

Inverse Universe

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



96, 6.236, 240.430



96, 7.212, 240.571



94, 9.686, 284.261



51, 4.104, 240.519



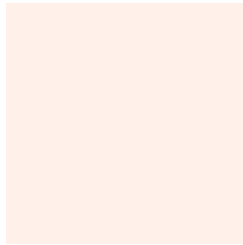
49, 44.255, 267.179



15, 18.783, 259.909

Previews

White Background



This preview shows how the CIELCh color 96, 6.483, 58.581 looks on a white background.

Color Contrast Check

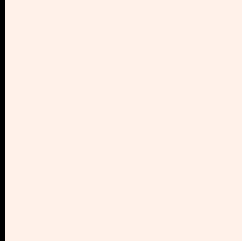
Large Text (above 18pt) WCAG AA × Fail

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, 6.483, 58.581 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, 6.483, 58.581

Background



This preview shows how black text looks on a background with the CIELCh color 96, 6.483, 58.581.

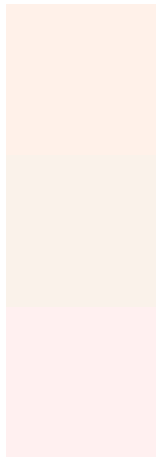


This preview shows how white text looks on a background with the CIELCh color 96, 6.483, 58.581.

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, 6.483, 58.581

Protanopia

96, 4.975, 74.550

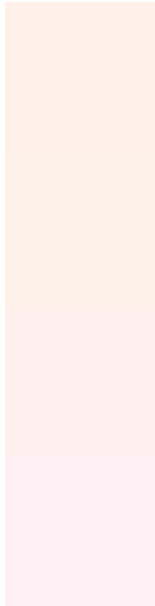
Deuteranopia

96, 5.358, 19.646



Tritanopia
96, 9.153, 328.376

Trichromacy



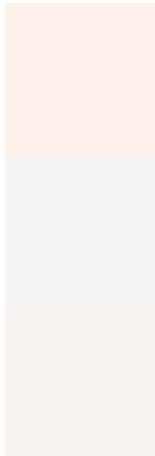
Original Color
96, 6.483, 58.581

Protanomaly
96, 5.423, 68.272

Deuteranomaly
96, 5.587, 35.538

Tritanomaly
96, 6.160, 349.859

Monochromacy



Original Color
96, 6.483, 58.581

Achromatopsia
96, 0.011, 296.813

Achromatomaly
96, 2.329, 60.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 6.483, 58.581 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 6.483, 58.581 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, 233) }
```

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

```
.border{ border-color:rgb(255, 241, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 6.483, 58.581 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
241, 233) }
```

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