

# Converting Colors

CIELCh(100, 20.161, 21.475)

Have a look what the booklet for  
CIELCh(100, 20.161, 21.475)  
contains.

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# **Color**

**CIELCh(96, 4.660, 25.854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF1F0
RGB	254, 241, 240
RGB Percent	100%, 95%, 94%
CMY	0.0052, 0.0561, 0.0600
CMYK	0.00, 0.05, 0.06, 0.01
HSL	4°, 84%, 97%
HSV	4°, 6%, 99%
XYZ	87.7986, 90.0078, 94.9416
YIQ	244.7730, 8.0690, 2.4450

# Conversions

## Conversions Part 2

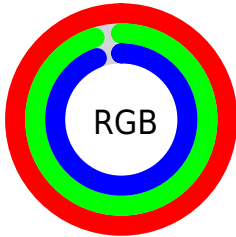
<b>Format</b>	<b>Color</b>
<b>RYB</b>	254, 241, 240
Decimal	16708080
CIELab	96.00, 4.19, 2.03
CIELCh	96, 4.660, 25.854
Yxy	90.0078, 0.3219, 0.3300
Android (android.graphics.Color)	4294898160 (0xFFFEF1F0)
YUV	244.7730, -2.3531, 8.0921
Hunter-Lab	94.8724, -0.8361, 7.0775

# Details

The CIELCh color **96, 4.660, 25.854** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98, 4.497, 205.807**, 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, 4.539, 26.431** is the 20% darker color. If you saturate the color by 10%, you get **90, 13.662, 26.441**, and if you desaturate by 10%, it is **100, 0.460, 200.816**.

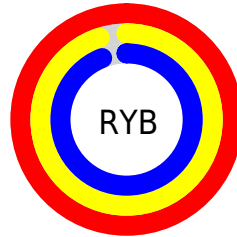
# Distribution



Red (100%)

Green (95%)

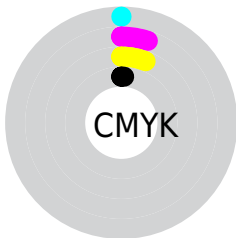
Blue (94%)



Red (100%)

Yellow (95%)

Blue (94%)

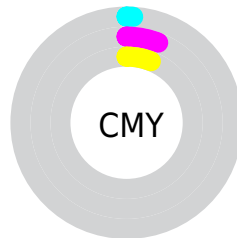


Cyan (0%)

Magenta (5%)

Yellow (6%)

Black (1%)



Cyan (1%)

Magenta (6%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 4.660, 25.854 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, 4.660, 25.854 by changing the saturation by 10% instead.



 96, 4.660, 25.854	 96, 4.660, 25.854
 100, 4.660, 25.854	 86, 4.660, 25.854
	 76, 4.660, 25.854
	 66, 4.660, 25.854
	 56, 4.660, 25.854
	 46, 4.660, 25.854
	 36, 4.660, 25.854
	 26, 4.660, 25.854
	 16, 4.660, 25.854
	 6, 4.660, 25.854

96, 4.660, 25.854

96, 4.660, 25.854

90, 13.662, 26.441

100, 0.460,  
200.816

83, 23.416, 27.110

78, 33.933, 28.011

72, 45.167, 29.224

67, 56.984, 30.830

62, 69.132, 32.891

59, 81.180, 35.378

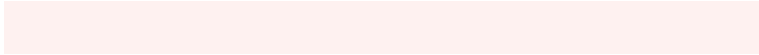
56, 92.293, 38.005

54, 100.653,  
39.944

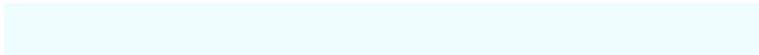
# Harmonies

# Complementary

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



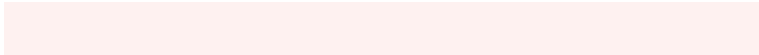
96, 4.660, 25.854



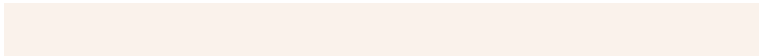
98, 4.497, 205.807

# Rectangle

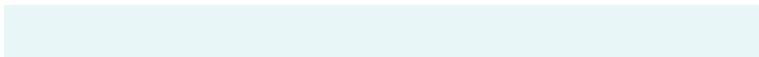
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



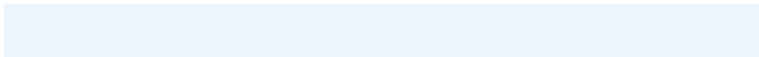
96, 4.660, 25.854



96, 4.660, 75.854



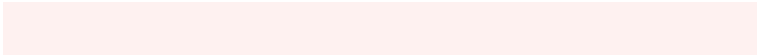
96, 4.660, 205.854



96, 4.660, 255.854

# Sweetspot

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



96, 4.659, 25.883



99, 1.673, 25.499



96, 8.336, 326.560



53, 0.951, 25.474



0, 0.000, 0.000

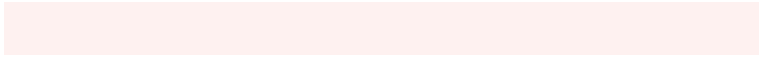


53, 0.007, 296.813

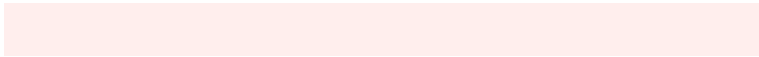


# Same Dimension

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



96, 4.659, 25.883



95, 5.977, 25.974



98, 4.555, 81.496



50, 3.893, 26.008



40, 83.226, 40.745



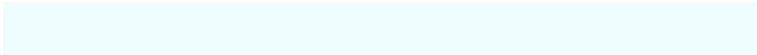
10, 31.974, 30.685





# Inverse Universe

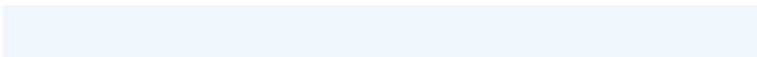
The Inverse Universe completely reimagines the original color for something new.



98, 4.497, 205.807



98, 5.713, 205.734



97, 4.535, 263.080



52, 3.706, 205.709



66, 36.864, 208.706

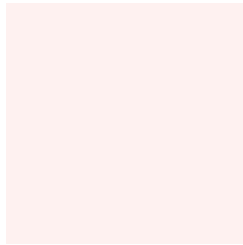


22, 17.115, 207.091



# Previews

## White Background



This preview shows how the CIE LCh color 96, 4.660, 25.854 looks on a white background.

## Color Contrast Check

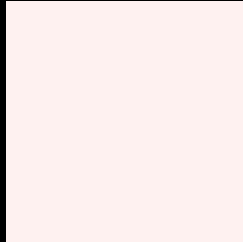
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 96, 4.660, 25.854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

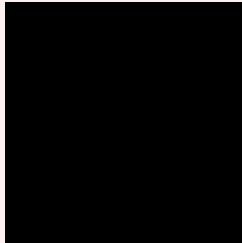
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

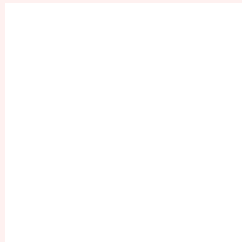
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 96, 4.660, 25.854

## Background



This preview shows how black text looks on a background with the CIELCh color 96, 4.660, 25.854.

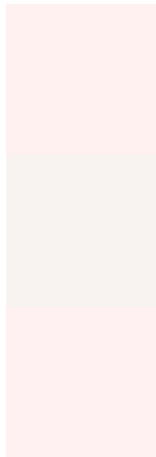


This preview shows how white text looks on a background with the CIELCh color 96, 4.660, 25.854.

# 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, 4.664, 25.856

### Protanopia

96, 2.182, 32.792

### Deuteranopia

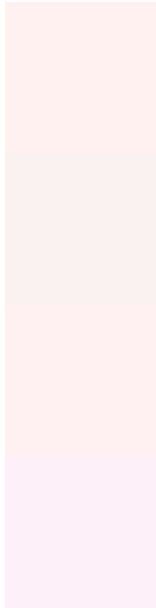
96, 5.448, 8.855



**Tritanopia**  
96, 9.783, 323.048



# Trichromacy



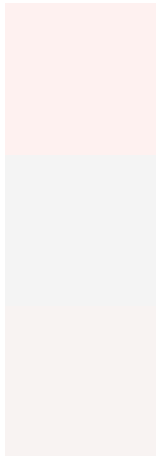
**Original Color**  
96, 4.664, 25.856

**Protanomaly**  
96, 2.882, 29.576

**Deuteranomaly**  
96, 5.379, 14.205

**Tritanomaly**  
96, 6.787, 337.027

# Monochromacy



**Original Color**  
96, 4.664, 25.856

**Achromatopsia**  
96, 0.011, 296.813

**Achromatomaly**  
96, 1.836, 35.320

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 96, 4.660, 25.854 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, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(254, 241, 240)  
}
```

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, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 241, 240) }
```

## Border

The CSS property to change the border of an element to CIELCh 96, 4.660, 25.854 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, 241, 240) }
```

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

```
.border{ border-color:rgb(254, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(254, 241,  
240) }
```

# Background

The CSS property to change the background color of an element to CIELCh 96, 4.660, 25.854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 241, 240) }
```

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

```
.background{ background-color: rgb(254,  
241, 240) }
```

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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