

# Converting Colors

CIELCh(93, 5.835, 19.771)

Have a look what the booklet for  
CIELCh(93, 5.835, 19.771) contains.

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# **Color**

**CIELCh(93, 5.763, 19.696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E7E7
RGB	247, 231, 231
RGB Percent	97%, 91%, 91%
CMY	0.0300, 0.0928, 0.0928
CMYK	0.00, 0.06, 0.06, 0.03
HSL	0°, 51%, 94%
HSV	0°, 6%, 97%
XYZ	81.6214, 82.9670, 87.5649
YIQ	235.7840, 9.5360, 3.3920

# Conversions

## Conversions Part 2

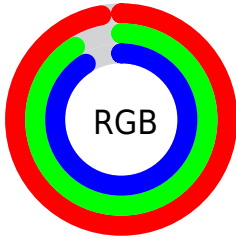
Format	Color
R <sub>Y</sub> B	247, 231, 231
Decimal	16246759
CIE Lab	93.00, 5.43, 1.94
CIE LCh	93, 5.763, 19.696
Yxy	82.9670, 0.3237, 0.3290
Android (android.graphics.Color)	4294436839 (0xFF7E7E7E)
YUV	235.7840, -2.3585, 9.8364
Hunter-Lab	91.0862, 0.5511, 6.7625

# Details

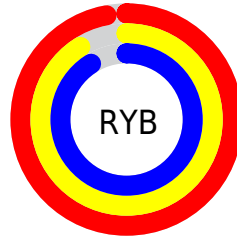
The CIELCh color **93, 5.763, 19.696** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96, 5.531, 199.187**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 6.091, 19.841** is the 20% darker color. If you saturate the color by 10%, you get **86, 15.261, 20.543**, and if you desaturate by 10%, it is **99, 2.652, 199.487**.

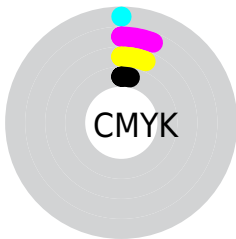
# Distribution



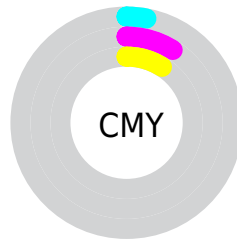
- Red (97%)
- Green (91%)
- Blue (91%)



- Red (97%)
- Yellow (91%)
- Blue (91%)



- Cyan (0%)
- Magenta (6%)
- Yellow (6%)
- Black (3%)



- Cyan (3%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 5.763, 19.696 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 93, 5.763, 19.696 by changing the saturation by 10% instead.



 93, 5.763, 19.696

 93, 5.763, 19.696

 100, 5.763, 19.696

 83, 5.763, 19.696

 73, 5.763, 19.696

 63, 5.763, 19.696

 53, 5.763, 19.696

 43, 5.763, 19.696

 33, 5.763, 19.696

 23, 5.763, 19.696

 13, 5.763, 19.696

 3, 5.763, 19.696

93, 5.763, 19.696

93, 5.763, 19.696

86, 15.261, 20.543

99, 2.652, 199.487

80, 25.503, 21.543

74, 36.456, 22.838

68, 48.002, 24.532

63, 59.912, 26.741

59, 71.833, 29.557

55, 83.277, 32.949

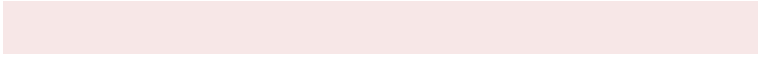
53, 93.406, 36.539

52, 100.388,  
39.274

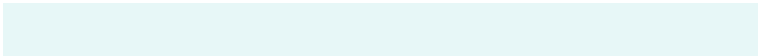
# Harmonies

# Complementary

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



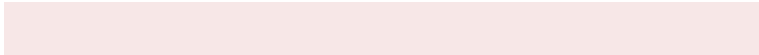
93, 5.763, 19.696



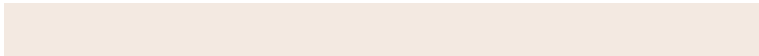
96, 5.531, 199.187

# Rectangle

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



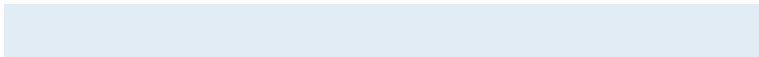
93, 5.763, 19.696



93, 5.763, 69.696



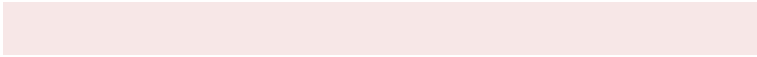
93, 5.763, 199.696



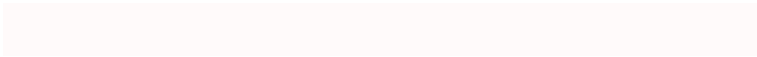
93, 5.763, 249.696

# Sweetspot

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



93, 5.761, 19.718



99, 1.794, 19.180



93, 10.037, 324.769



53, 1.020, 19.155



0, 0.000, 0.000

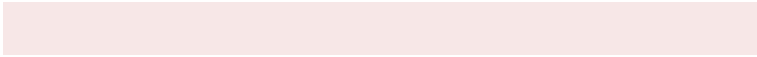


53, 0.007, 296.813



# Same Dimension

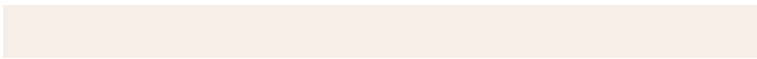
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 5.761, 19.718



94, 7.347, 19.844



95, 4.987, 74.543



48, 5.079, 19.962



39, 82.547, 40.002



8, 31.018, 25.021



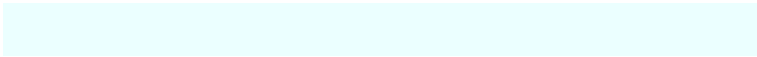


# Inverse Universe

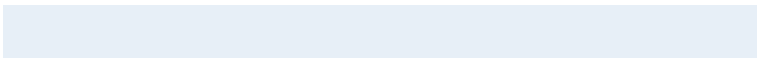
The Inverse Universe completely reimagines the original color for something new.



96, 5.531, 199.187



99, 6.983, 199.081



94, 4.921, 256.333



50, 4.782, 198.988



69, 39.545, 196.428

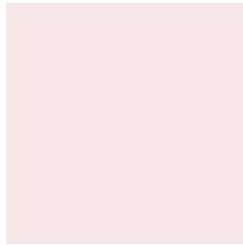


22, 17.583, 196.422



# Previews

## White Background



This preview shows how the CIELCh color 93, 5.763, 19.696 looks on a white background.

## Color Contrast Check

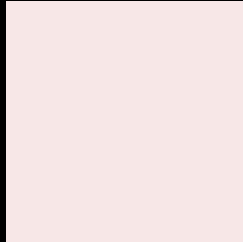
Large Text (above 18pt) WCAG AA × Fail

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 93, 5.763, 19.696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

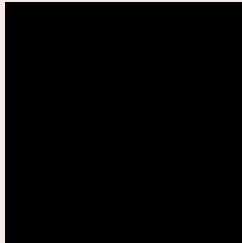
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

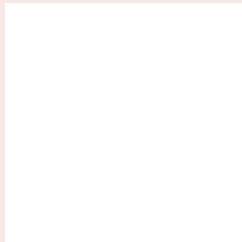
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 93, 5.763, 19.696**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 93, 5.763, 19.696.



This preview shows how white text looks on a background with the CIELCh color 93, 5.763, 19.696.

# 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

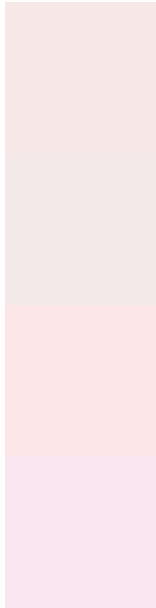




**Tritanopia**  
93, 11.925, 329.085



# Trichromacy



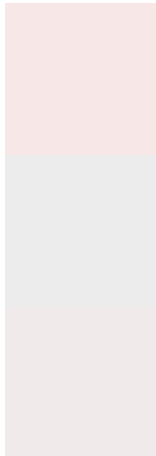
**Original Color**  
93, 5.763, 19.696

**Protanomaly**  
93, 3.259, 28.508

**Deuteranomaly**  
93, 8.012, 12.531

**Tritanomaly**  
93, 8.852, 340.170

# Monochromacy



**Original Color**  
93, 5.763, 19.696

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 2.140, 19.261

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 5.763, 19.696 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(247, 231, 231)` looks like.

```
.text, #text, p{  
    color:rgb(247, 231, 231)  
}
```

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(247, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 231, 231) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 5.763, 19.696 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(247, 231, 231) }
```

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

```
.border{ border-color:rgb(247, 231, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 231, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(247, 231,  
231) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 5.763, 19.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 231, 231) }
```

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

```
.background{ background-color: rgb(247,  
231, 231) }
```

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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