

# Converting Colors

CIELCh(93, 5.270, 40.591)

Have a look what the booklet for  
CIELCh(93, 5.270, 40.591) contains.

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# **Color**

**CIELCh(93, 5.453, 41.749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E8E4
RGB	246, 232, 228
RGB Percent	96%, 91%, 89%
CMY	0.0350, 0.0899, 0.1056
CMYK	0.00, 0.06, 0.07, 0.03
HSL	13°, 50%, 93%
HSV	13°, 7%, 97%
XYZ	80.9240, 82.9670, 85.2013
YIQ	235.7300, 9.6280, 1.7240

# Conversions

## Conversions Part 2

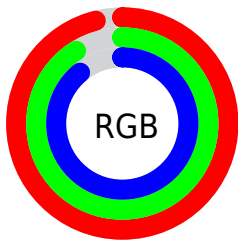
Format	Color
R <sub>Y</sub> B	246, 233, 228
Decimal	16181476
CIE Lab	93.00, 4.07, 3.63
CIE LCh	93, 5.453, 41.749
Yxy	82.9670, 0.3249, 0.3331
Android (android.graphics.Color)	4294371556 (0xFF6E8E4)
YUV	235.7300, -3.8109, 9.0068
Hunter-Lab	91.0862, -0.8157, 8.3010

# Details

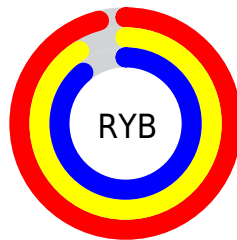
The CIELCh color **93, 5.453, 41.749** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **95, 5.218, 222.510**, and the grayscale version is **93, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **73, 5.581, 36.620** is the 20% darker color. If you saturate the color by 10%, you get **88, 13.447, 41.613**, and if you desaturate by 10%, it is **98, 1.927, 222.534**.

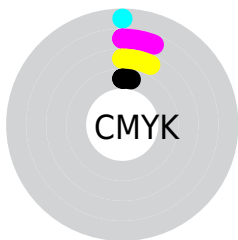
# Distribution



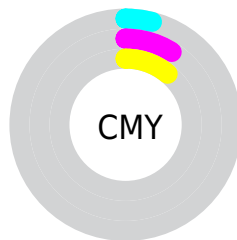
- Red (96%)
- Green (91%)
- Blue (89%)



- Red (96%)
- Yellow (91%)
- Blue (89%)



- Cyan (0%)
- Magenta (6%)
- Yellow (7%)
- Black (3%)



- Cyan (4%)
- Magenta (9%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 93, 5.453, 41.749 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, 5.453, 41.749 by changing the saturation by 10% instead.



93, 5.453, 41.749

93, 5.453, 41.749

100, 5.453, 41.749

83, 5.453, 41.749

73, 5.453, 41.749

63, 5.453, 41.749

53, 5.453, 41.749

43, 5.453, 41.749

33, 5.453, 41.749

23, 5.453, 41.749

13, 5.453, 41.749

3, 5.453, 41.749

93, 5.453, 41.749

93, 5.453, 41.749

88, 13.447, 41.613

98, 1.927, 222.534

83, 22.115, 41.511

99, 3.087, 199.424

78, 31.503, 41.544

73, 41.624, 41.754

68, 52.431, 42.168

64, 63.769, 42.785

60, 75.259, 43.519

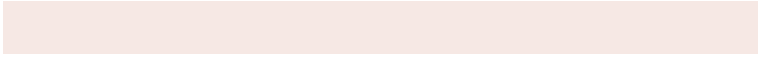
57, 86.028, 44.080

55, 94.354, 43.842

# Harmonies

# Complementary

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



93, 5.453, 41.749



95, 5.218, 222.510

# Rectangle

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



93, 5.453, 41.749



93, 5.453, 91.749



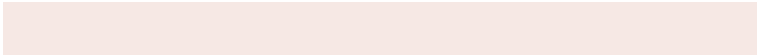
93, 5.453, 221.749



93, 5.453, 271.749

# Sweetspot

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



93, 5.452, 41.777



99, 1.500, 41.621



92, 9.723, 331.543



53, 0.852, 41.602



0, 0.000, 0.000



53, 0.007, 296.813

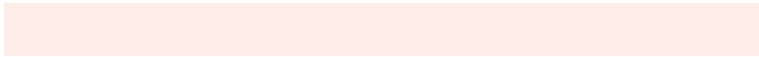


# Same Dimension

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



93, 5.452, 41.777



95, 6.952, 41.753



95, 6.836, 93.998



48, 4.255, 41.745



41, 77.587, 44.221



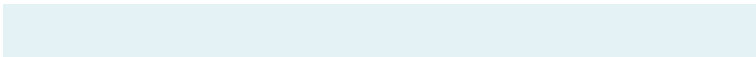
11, 27.149, 37.225



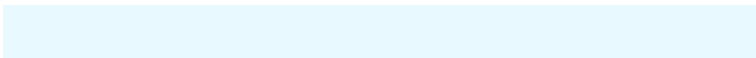


# Inverse Universe

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



95, 5.218, 222.510



97, 6.580, 222.565



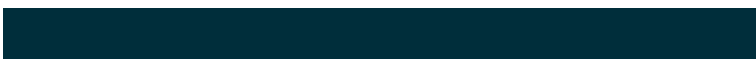
92, 6.869, 275.874



50, 4.015, 222.582



56, 35.187, 240.456

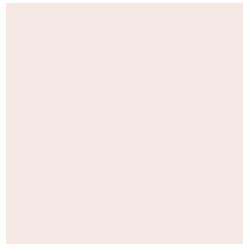


17, 15.373, 234.073



# Previews

## White Background



This preview shows how the CIE LCh color 93, 5.453, 41.749 looks on a white background.

## Color Contrast Check

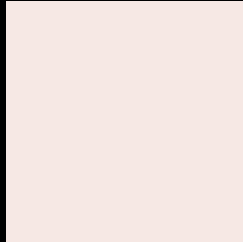
Large Text (above 18pt) WCAG AA × Fail

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 93, 5.453, 41.749 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

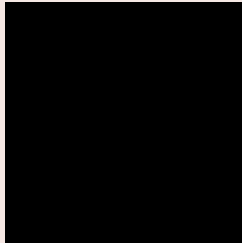
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

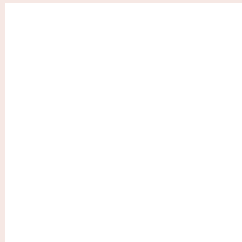
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 93, 5.453, 41.749

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 5.453, 41.749.

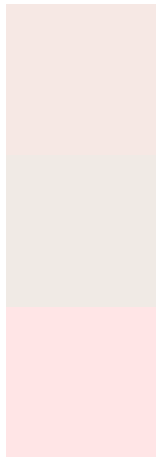


This preview shows how white text looks on a background with the CIELCh color 93, 5.453, 41.749.

# 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


93, 5.453, 41.749

### Protanopia

93, 3.336, 69.675

### Deuteranopia

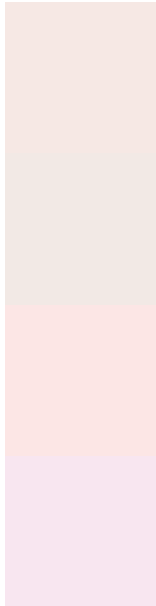
93, 9.448, 16.893



**Tritanopia**  
93, 11.709, 327.710



# Trichromacy



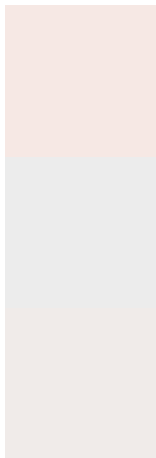
**Original Color**  
93, 5.453, 41.749

**Protanomaly**  
93, 3.821, 51.989

**Deuteranomaly**  
93, 7.993, 23.556

**Tritanomaly**  
93, 8.253, 341.294

# Monochromacy



**Original Color**  
93, 5.453, 41.749

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 2.047, 49.328

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 5.453, 41.749 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(246, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(246, 232, 228)  
}
```

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(246, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 232, 228) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 5.453, 41.749 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(246, 232, 228) }
```

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

```
.border{ border-color:rgb(246, 232, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(246, 232,  
228) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 5.453, 41.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 232, 228) }
```

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

```
.background{ background-color: rgb(246,  
232, 228) }
```

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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