

# Converting Colors

CIELCh(93, 11.516, 54.492)

Have a look what the booklet for  
CIELCh(93, 11.516, 54.492) contains.

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# Color

**CIELCh(93, 11.433, 55.515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6D9
RGB	255, 230, 217
RGB Percent	100%, 90%, 85%
CMY	0.0000, 0.0975, 0.1485
CMYK	0.00, 0.10, 0.15, 0.00
HSL	21°, 100%, 93%
HSV	21°, 15%, 100%
XYZ	82.1623, 82.9670, 77.4170
YIQ	235.9930, 19.0730, 1.2570

# Conversions

## Conversions Part 2

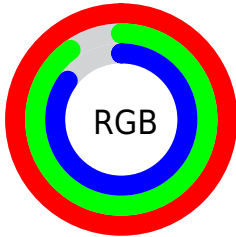
Format	Color
R <sub>Y</sub> B	255, 237, 217
Decimal	16770777
CIE Lab	93.00, 6.47, 9.42
CIE LCh	93, 11.433, 55.515
Yxy	82.9670, 0.3387, 0.3421
Android (android.graphics.Color)	4294960857 (0xFFFFE6D9)
YUV	235.9930, -9.3635, 16.6691
Hunter-Lab	91.0862, 1.6110, 13.3679

# Details

The CIELCh color **93, 11.433, 55.515** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94, 10.564, 238.485**, 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, 11.487, 57.508** is the 20% darker color. If you saturate the color by 10%, you get **88, 19.769, 54.922**, and if you desaturate by 10%, it is **98, 3.589, 56.383**.

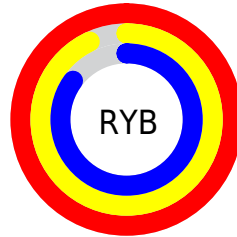
# Distribution



Red (100%)

Green (90%)

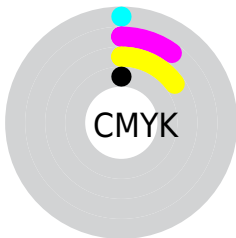
Blue (85%)



Red (100%)

Yellow (93%)

Blue (85%)

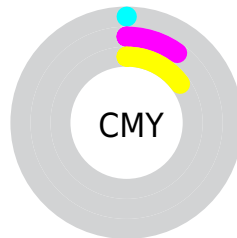


Cyan (0%)

Magenta (10%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (15%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 11.433, 55.515 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, 11.433, 55.515 by changing the saturation by 10% instead.



 93, 11.433, 55.515

 93, 11.433, 55.515

 100, 11.433,  
55.515

 83, 11.433, 55.515

 73, 11.433, 55.515

 63, 11.433, 55.515

 53, 11.433, 55.515

 43, 11.433, 55.515

 33, 11.433, 55.515

 23, 11.433, 55.515

 13, 11.433, 55.515

 3, 11.433, 55.515

93, 11.433, 55.515

93, 11.433, 55.515

88, 19.769, 54.922

98, 3.589, 56.383

84, 28.769, 54.221

100, 0.012,  
296.813

79, 38.420, 53.595

75, 48.702, 53.054

71, 59.503, 52.579

68, 70.508, 52.091

64, 80.990, 51.370

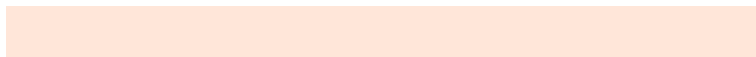
61, 89.542, 49.951

60, 93.000, 48.971

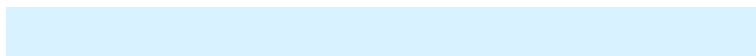
# Harmonies

# Complementary

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



93, 11.433, 55.515



94, 10.564, 238.485

# Rectangle

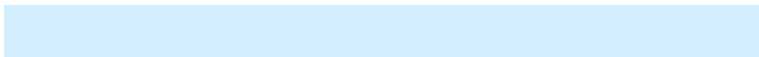
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93, 11.433, 55.515



93, 11.433, 105.515



93, 11.433, 235.515



93, 11.433, 285.515

# Sweetspot

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



93, 11.392, 55.675



98, 2.950, 56.420



90, 18.798, 336.721



52, 2.103, 56.388



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, 11.392, 55.675



92, 13.966, 55.434



98, 16.191, 100.659



51, 4.279, 56.078



46, 74.435, 49.595



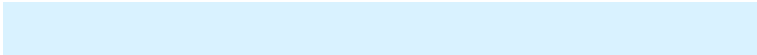
14, 28.021, 47.267



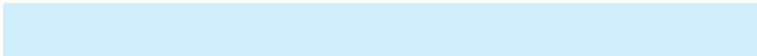


# Inverse Universe

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



94, 10.564, 238.485



93, 12.722, 238.856



89, 16.524, 284.171



51, 4.086, 237.925



50, 42.572, 263.903

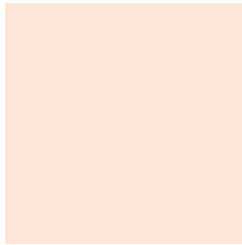


16, 18.228, 256.649



# Previews

## White Background



This preview shows how the CIELCh color 93, 11.433, 55.515 looks on a white background.

## Color Contrast Check

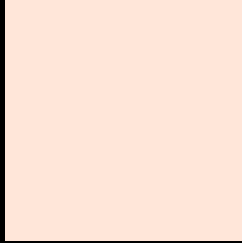
Large Text (above 18pt) WCAG AA × Fail

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, 11.433, 55.515 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, 11.433, 55.515

## Background



This preview shows how black text looks on a background with the CIELCh color 93, 11.433, 55.515.

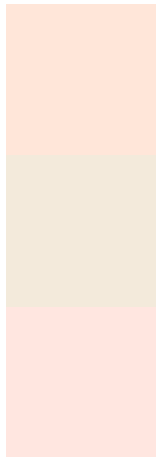


This preview shows how white text looks on a background with the CIELCh color 93, 11.433, 55.515.

# 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, 11.433, 55.515

### Protanopia

93, 8.368, 86.358

### Deuteranopia

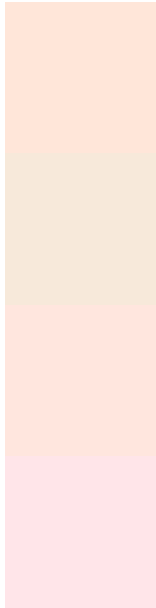
93, 9.663, 38.488



**Tritanopia**  
93, 12.051, 343.511



# Trichromacy



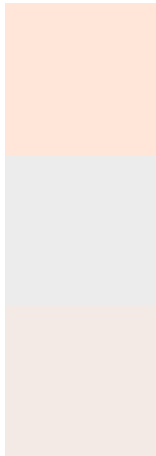
**Original Color**  
93, 11.433, 55.515

**Protanomaly**  
93, 9.260, 75.754

**Deuteranomaly**  
93, 10.068, 43.948

**Tritanomaly**  
93, 9.618, 7.705

# Monochromacy



**Original Color**  
93, 11.433, 55.515

**Achromatopsia**  
93, 0.011, 296.813

**Achromatomaly**  
93, 4.118, 58.007

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 93, 11.433, 55.515 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, 230, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 217)  
}
```

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, 230, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 217) }
```

## Border

The CSS property to change the border of an element to CIELCh 93, 11.433, 55.515 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, 230, 217) }
```

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

```
.border{ border-color:rgb(255, 230, 217) }
```

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

Here you see how a box with a 4 pixel rgb(255, 230, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
217) }
```

# Background

The CSS property to change the background color of an element to CIELCh 93, 11.433, 55.515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 217) }
```

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

```
.background{ background-color: rgb(255,  
230, 217) }
```

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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