

# Converting Colors

CIELCh(92, 13.537, 76.783)

Have a look what the booklet for  
CIELCh(92, 13.537, 76.783) contains.

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# Color

**CIELCh(92, 13.603, 75.795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9E5CF
RGB	249, 229, 207
RGB Percent	98%, 90%, 81%
CMY	0.0234, 0.1018, 0.1881
CMYK	0.00, 0.08, 0.17, 0.02
HSL	31°, 78%, 89%
HSV	31°, 17%, 98%
XYZ	78.3691, 80.7044, 70.4949
YIQ	232.4720, 18.9820, -2.6020

# Conversions

## Conversions Part 2

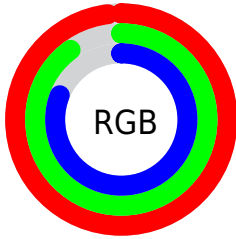
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 249, 207
Decimal	16377295
CIE <sub>Lab</sub>	92.00, 3.34, 13.19
CIE <sub>LCh</sub>	92, 13.603, 75.795
Yxy	80.7044, 0.3414, 0.3515
Android (android.graphics.Color)	4294567375 (0xFFFF9E5CF)
YUV	232.4720, -12.5577, 14.4951
Hunter-Lab	89.8356, -1.4959, 16.3595

# Details

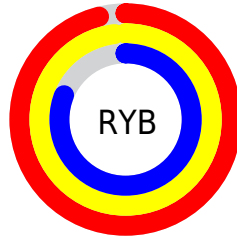
The CIELCh color **92, 13.603, 75.795** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89, 13.105, 260.393**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **72, 13.483, 76.887** is the 20% darker color. If you saturate the color by 10%, you get **89, 22.148, 74.520**, and if you desaturate by 10%, it is **96, 5.417, 77.034**.

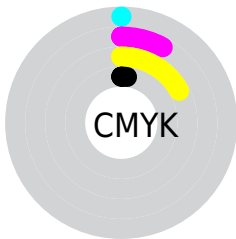
# Distribution



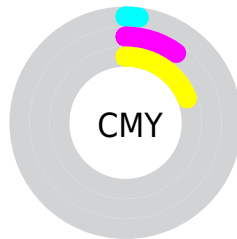
- Red (98%)
- Green (90%)
- Blue (81%)



- Red (96%)
- Yellow (98%)
- Blue (81%)



- Cyan (0%)
- Magenta (8%)
- Yellow (17%)
- Black (2%)



- Cyan (2%)
- Magenta (10%)
- Yellow (19%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 13.603, 75.795 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 92, 13.603, 75.795 by changing the saturation by 10% instead.



 92, 13.603, 75.795

 92, 13.603, 75.795

 100, 13.603,  
75.795

 82, 13.603, 75.795

 72, 13.603, 75.795

 62, 13.603, 75.795

 52, 13.603, 75.795

 42, 13.603, 75.795

 32, 13.603, 75.795

 22, 13.603, 75.795

 12, 13.603, 75.795

 2, 13.603, 75.795

92, 13.603, 75.795

92, 13.603, 75.795

89, 22.148, 74.520

96, 5.417, 77.034

85, 31.060, 73.208

99, 1.719, 241.738

82, 40.316, 71.873

100, 2.071,  
199.594

79, 49.828, 70.505

76, 59.378, 69.063

73, 68.509, 67.450

70, 76.379, 65.461

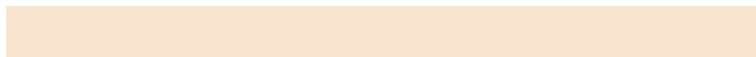
67, 81.837, 62.762

67, 83.228, 61.849

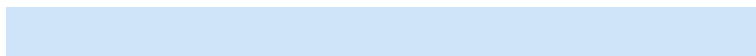
# Harmonies

# Complementary

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



92, 13.603, 75.795



89, 13.105, 260.393

# Rectangle

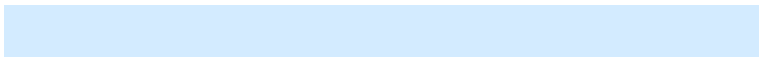
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92, 13.603, 75.795



92, 13.603, 125.795



92, 13.603, 255.795



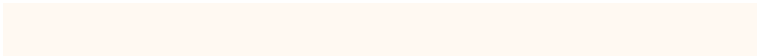
92, 13.603, 305.795

# Sweetspot

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



92, 13.604, 75.807



98, 4.003, 77.239



87, 18.529, 346.035



52, 2.736, 77.164



0, 0.000, 0.000



53, 0.007, 296.813

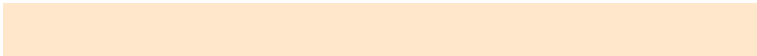


# Same Dimension

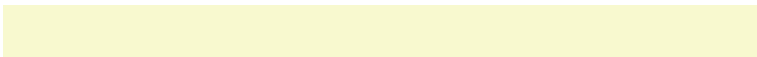
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 13.604, 75.807



93, 16.558, 75.404



97, 21.319, 109.236



50, 4.524, 76.724



51, 67.369, 62.539



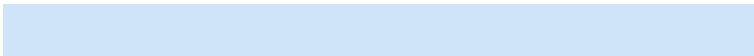
16, 25.847, 64.090





# Inverse Universe

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



89, 13.105, 260.393



90, 15.824, 260.918



84, 22.167, 292.651



50, 4.440, 259.286



39, 60.483, 286.401

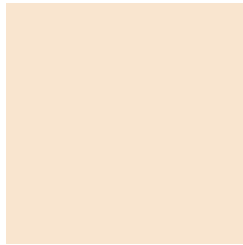


11, 23.959, 279.695



# Previews

## White Background



This preview shows how the CIE LCh color 92, 13.603, 75.795 looks on a white background.

## Color Contrast Check

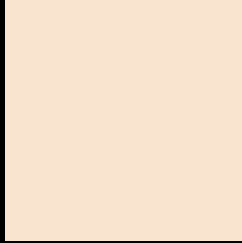
Large Text (above 18pt) WCAG AA × Fail

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 92, 13.603, 75.795 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

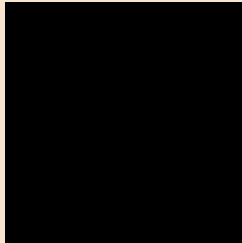
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 92, 13.603, 75.795

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 13.603, 75.795.

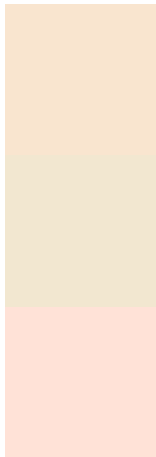


This preview shows how white text looks on a background with the CIELCh color 92, 13.603, 75.795.

# 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

92, 13.603, 75.795

### Protanopia

92, 12.525, 90.119

### Deuteranopia

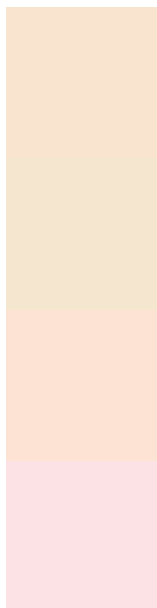
92, 12.197, 47.597



**Tritanopia**  
92, 14.189, 339.511



# Trichromacy



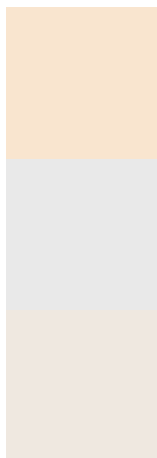
**Original Color**  
92, 13.603, 75.795

**Protanomaly**  
92, 12.639, 82.953

**Deuteranomaly**  
92, 12.422, 58.209

**Tritanomaly**  
92, 9.558, 10.740

# Monochromacy



**Original Color**  
92, 13.603, 75.795

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 4.817, 78.077

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 13.603, 75.795 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(249, 229, 207)` looks like.

```
.text, #text, p{  
    color:rgb(249, 229, 207)  
}
```

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(249, 229, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 229, 207) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 13.603, 75.795 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(249, 229, 207) }
```

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

```
.border{ border-color:rgb(249, 229, 207) }
```

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

Here you see how a box with a 4 pixel rgb(249, 229, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 229, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 229, 207);  
box-shadow:4px 4px 4px 4px rgb(249, 229,  
207) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 13.603, 75.795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 229, 207) }
```

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

```
.background{ background-color: rgb(249,  
229, 207) }
```

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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