

# Converting Colors

CIELCh(90, 25.351, 77.856)

Have a look what the booklet for  
CIELCh(90, 25.351, 77.856) contains.

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# Color

**CIELCh(90, 25.426, 77.747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEDDB3
RGB	254, 221, 179
RGB Percent	100%, 87%, 70%
CMY	0.0025, 0.1320, 0.2967
CMYK	0.00, 0.13, 0.29, 0.00
HSL	34°, 98%, 85%
HSV	34°, 29%, 100%
XYZ	75.1241, 76.3034, 53.5937
YIQ	226.0790, 33.1500, -6.0660

# Conversions

## Conversions Part 2

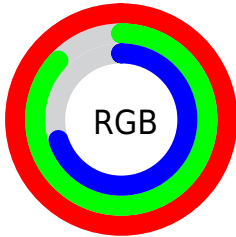
Format	Color
R <sub>Y</sub> B	238, 254, 179
Decimal	16702899
CIE Lab	90.00, 5.40, 24.85
CIE LCh	90, 25.426, 77.747
Yxy	76.3034, 0.3664, 0.3722
Android (android.graphics.Color)	4294892979 (0xFFFE <sub>D</sub> B3)
YUV	226.0790, -23.2099, 24.4867
Hunter-Lab	87.3518, 0.6476, 24.7695

# Details

The CIELCh color **90, 25.426, 77.747** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **84, 24.134, 266.377**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 10.124, 109.411**, and **70, 25.352, 78.074** is the 20% darker color. If you saturate the color by 10%, you get **87, 34.672, 76.387**, and if you desaturate by 10%, it is **93, 16.494, 79.087**.

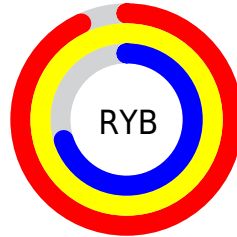
# Distribution



Red (100%)

Green (87%)

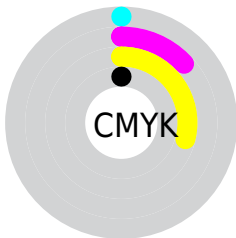
Blue (70%)



Red (93%)

Yellow (100%)

Blue (70%)

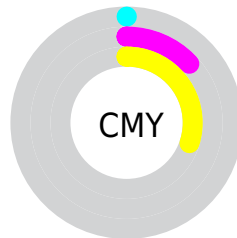


Cyan (0%)

Magenta (13%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 25.426, 77.747 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 90, 25.426, 77.747 by changing the saturation by 10% instead.



 90, 25.426, 77.747

 90, 25.426, 77.747

 100, 25.426,  
77.747

 80, 25.426, 77.747

 70, 25.426, 77.747

 60, 25.426, 77.747

 50, 25.426, 77.747

 40, 25.426, 77.747

 30, 25.426, 77.747

 20, 25.426, 77.747

 10, 25.426, 77.747

 0, 25.426, 77.747

90, 25.426, 77.747

90, 25.426, 77.747

87, 34.672, 76.387

93, 16.494, 79.087

84, 44.179, 74.987

97, 7.883, 80.371

81, 53.809, 73.534

100, 0.201,  
213.495

78, 63.267, 71.981

100, 0.221,  
202.389

75, 71.968, 70.212

72, 78.942, 68.005

70, 83.349, 65.131

70, 83.552, 64.986

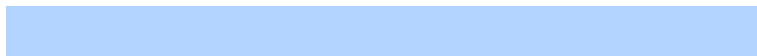
# Harmonies

# Complementary

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



90, 25.426, 77.747



84, 24.134, 266.377

# Rectangle

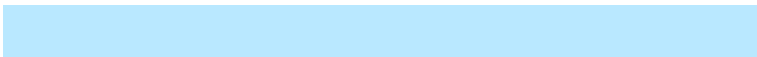
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 25.426, 77.747



90, 25.426, 127.747



90, 25.426, 257.747



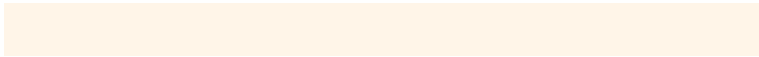
90, 25.426, 307.747

# Sweetspot

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



90, 25.427, 77.754



97, 7.479, 80.432



81, 32.651, 349.365



51, 5.212, 80.251



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



90, 25.427, 77.754



88, 30.541, 77.005



98, 37.709, 109.497



51, 4.729, 80.370



54, 67.281, 65.662



17, 27.130, 67.864





# Inverse Universe

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



84, 24.134, 266.377



81, 28.680, 267.545



76, 40.528, 295.477



50, 4.665, 262.960



38, 65.563, 289.522



11, 26.434, 283.462



# Previews

## White Background



This preview shows how the CIE LCh color 90, 25.426, 77.747 looks on a white background.

## Color Contrast Check

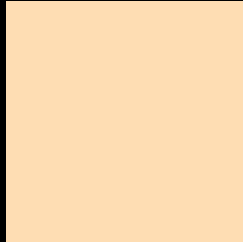
Large Text (above 18pt) WCAG AA × Fail

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 90, 25.426, 77.747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

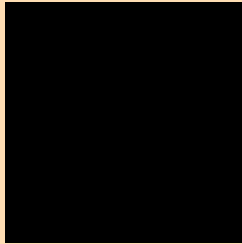
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 90, 25.426, 77.747**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 90, 25.426, 77.747.



This preview shows how white text looks on a background with the CIELCh color 90, 25.426, 77.747.

# 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

90, 25.426, 77.747

### Protanopia

90, 23.353, 94.878

### Deuteranopia

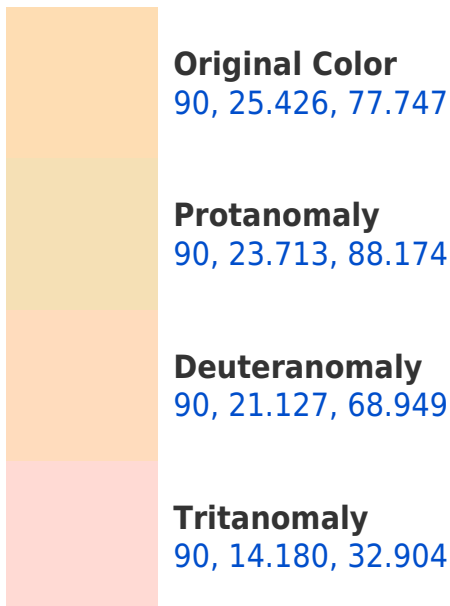
90, 19.131, 64.392



**Tritanopia**  
90, 15.883, 353.466



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 25.426, 77.747 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, 221, 179)` looks like.

```
.text, #text, p{  
    color:rgb(254, 221, 179)  
}
```

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, 221, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 221, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 25.426, 77.747 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, 221, 179) }
```

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

```
.border{ border-color:rgb(254, 221, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 221, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 221, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 221, 179);  
box-shadow:4px 4px 4px 4px rgb(254, 221,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 25.426, 77.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 221, 179) }
```

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

```
.background{ background-color: rgb(254,  
221, 179) }
```

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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