

# Converting Colors

CIELCh(90, 15.492, 63.323)

Have a look what the booklet for  
CIELCh(90, 15.492, 63.323) contains.

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# Color

**CIELCh(90, 15.525, 64.109)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FADDC8                     |
| RGB         | 250, 221, 200              |
| RGB Percent | 98%, 87%, 78%              |
| CMY         | 0.0191, 0.1328, 0.2152     |
| CMYK        | 0.00, 0.12, 0.20, 0.02     |
| HSL         | 25°, 84%, 88%              |
| HSV         | 25°, 20%, 98%              |
| XYZ         | 75.8004, 76.3034, 65.4523  |
| YIQ         | 227.2770, 24.0250, -0.3830 |

# Conversions

## Conversions Part 2

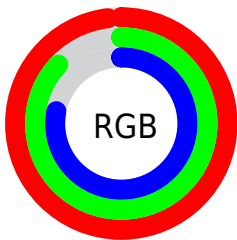
| Format                              | Color                                   |
|-------------------------------------|---|
| R <sub>Y</sub> B                    | 250, 236, 200                           |
| Decimal                             | 16440776                                |
| CIE Lab                             | 90.00, 6.78, 13.97                      |
| CIE LCh                             | 90, 15.525, 64.109                      |
| Yxy                                 | 76.3034, 0.3484,<br>0.3507              |
| Android<br>(android.graphics.Color) | 4294630856<br>(0xFFFA <sup>DD</sup> C8) |
| YUV                                 | 227.2770, -13.4476,<br>19.9281          |
| Hunter-Lab                          | 87.3518, 2.0295,<br>16.7205             |

# Details

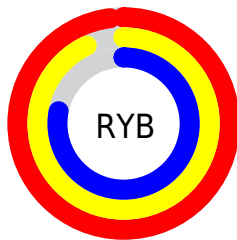
The CIELCh color **90, 15.525, 64.109** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90, 14.326, 248.952**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 15.532, 64.311** is the 20% darker color. If you saturate the color by 10%, you get **86, 24.024, 63.071**, and if you desaturate by 10%, it is **94, 7.527, 65.162**.

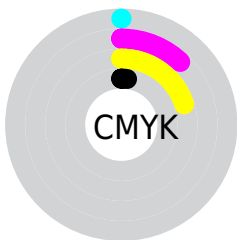
# Distribution



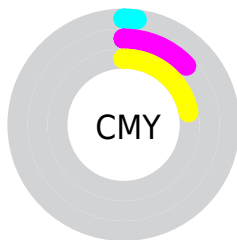
- Red (98%)
- Green (87%)
- Blue (78%)



- Red (98%)
- Yellow (93%)
- Blue (78%)



- Cyan (0%)
- Magenta (12%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (13%)
- Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 15.525, 64.109 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, 15.525, 64.109 by changing the saturation by 10% instead.



 90, 15.525, 64.109

 90, 15.525, 64.109

 100, 15.525,  
64.109

 80, 15.525, 64.109

 70, 15.525, 64.109

 60, 15.525, 64.109

 50, 15.525, 64.109

 40, 15.525, 64.109

 30, 15.525, 64.109

 20, 15.525, 64.109

 10, 15.525, 64.109

 0, 15.525, 64.109

90, 15.525, 64.109

90, 15.525, 64.109

86, 24.024, 63.071

94, 7.527, 65.162

82, 33.051, 62.043

98, 0.016, 279.638

78, 42.600, 61.043

100, 1.690,  
199.690

75, 52.597, 60.060

71, 62.822, 59.041

68, 72.769, 57.849

65, 81.432, 56.181

62, 87.762, 53.755

62, 87.767, 53.754

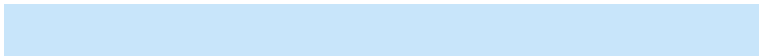
# Harmonies

# Complementary

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



90, 15.525, 64.109



90, 14.326, 248.952

# Rectangle

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



90, 15.525, 64.109



90, 15.525, 114.109



90, 15.525, 244.109



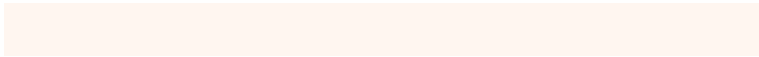
90, 15.525, 294.109

# Sweetspot

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



90, 15.525, 64.120



97, 4.535, 65.546



86, 23.597, 341.025



52, 3.014, 65.487



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, 15.525, 64.120



90, 19.168, 63.696



96, 23.346, 104.500



50, 4.272, 65.212



48, 70.641, 54.443



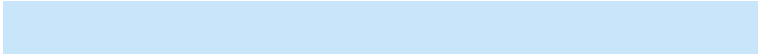
14, 26.112, 53.750



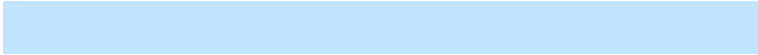


# Inverse Universe

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



90, 14.326, 248.952



89, 17.367, 249.605



83, 24.255, 289.013



50, 4.126, 247.496



45, 49.003, 275.112

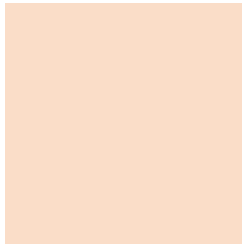


13, 19.939, 267.640



# Previews

## White Background



This preview shows how the CIE LCh color 90, 15.525, 64.109 looks on a white background.

## Color Contrast Check

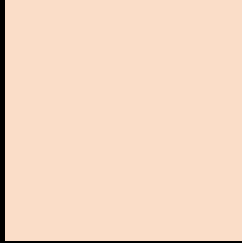
Large Text (above 18pt) WCAG AA × Fail

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 90, 15.525, 64.109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

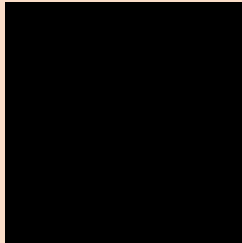
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 90, 15.525, 64.109

## Background



This preview shows how black text looks on a background with the CIELCh color 90, 15.525, 64.109.

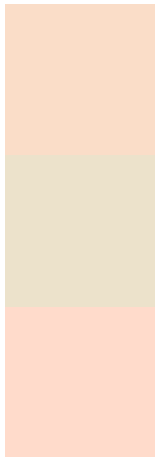


This preview shows how white text looks on a background with the CIELCh color 90, 15.525, 64.109.

# 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, 15.525, 64.109

### Protanopia

90, 12.460, 91.722

### Deuteranopia

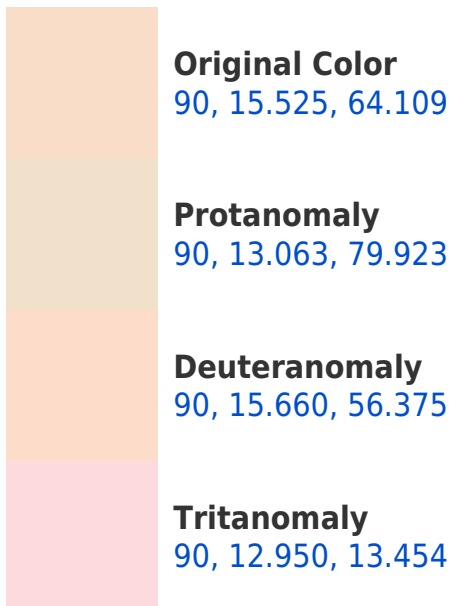
90, 16.024, 51.128



**Tritanopia**  
90, 16.293, 347.923



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 15.525, 64.109 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(250, 221, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 221, 200)  
}
```

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(250, 221, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 221, 200) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 15.525, 64.109 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(250, 221, 200) }
```

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

```
.border{ border-color:rgb(250, 221, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 221, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 221, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 221, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 221,  
200) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 15.525, 64.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 221, 200) }
```

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

```
.background{ background-color: rgb(250,  
221, 200) }
```

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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