

# Converting Colors

CIELCh(92, 10.914, 77.783)

Have a look what the booklet for  
CIELCh(92, 10.914, 77.783) contains.

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# **Color**

**CIELCh(92, 10.808, 78.429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E6D4
RGB	245, 230, 212
RGB Percent	96%, 90%, 83%
CMY	0.0395, 0.0983, 0.1689
CMYK	0.00, 0.06, 0.13, 0.04
HSL	33°, 62%, 90%
HSV	33°, 13%, 96%
XYZ	77.7838, 80.7044, 73.7193
YIQ	232.4330, 14.7180, -2.4180

# Conversions

## Conversions Part 2

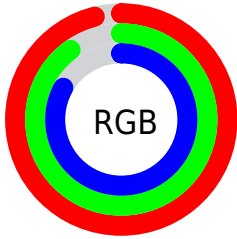
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 245, 212
Decimal	16115412
CIE Lab	92.00, 2.17, 10.59
CIE LCh	92, 10.808, 78.429
Yxy	80.7044, 0.3350, 0.3476
Android (android.graphics.Color)	4294305492 (0xFFF5E6D4)
YUV	232.4330, -10.0735, 11.0213
Hunter-Lab	89.8356, -2.6589, 14.2315

# Details

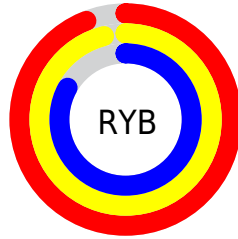
The CIELCh color **92, 10.808, 78.429** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90, 10.550, 262.098**, and the grayscale version is **92, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **72, 11.215, 79.703** is the 20% darker color. If you saturate the color by 10%, you get **89, 19.212, 77.149**, and if you desaturate by 10%, it is **95, 2.726, 79.615**.

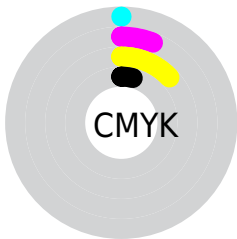
# Distribution



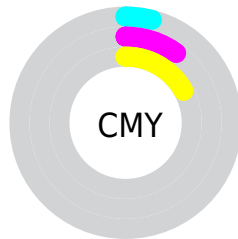
- Red (96%)
- Green (90%)
- Blue (83%)



- Red (94%)
- Yellow (96%)
- Blue (83%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (4%)



- Cyan (4%)
- Magenta (10%)
- Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 92, 10.808, 78.429 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, 10.808, 78.429 by changing the saturation by 10% instead.



 92, 10.808, 78.429

 92, 10.808, 78.429

 100, 10.808,  
78.429

 82, 10.808, 78.429

 72, 10.808, 78.429

 62, 10.808, 78.429

 52, 10.808, 78.429

 42, 10.808, 78.429

 32, 10.808, 78.429

 22, 10.808, 78.429

 12, 10.808, 78.429

 2, 10.808, 78.429

92, 10.808, 78.429

92, 10.808, 78.429

89, 19.212, 77.149

95, 2.726, 79.615

86, 27.947, 75.818

99, 2.873, 229.361

82, 36.996, 74.459

99, 3.481, 199.375

79, 46.291, 73.065

76, 55.659, 71.609

74, 64.732, 70.021

71, 72.814, 68.145

68, 78.840, 65.702

67, 81.541, 63.777

# Harmonies

# Complementary

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



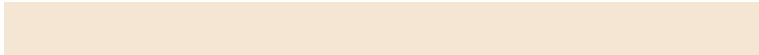
92, 10.808, 78.429



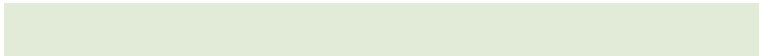
90, 10.550, 262.098

# Rectangle

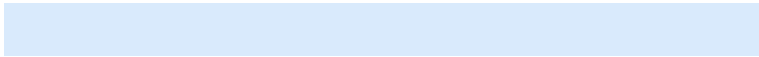
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92, 10.808, 78.429



92, 10.808, 128.429



92, 10.808, 258.429



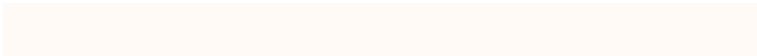
92, 10.808, 308.429

# Sweetspot

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



92, 10.809, 78.443



99, 3.250, 79.567



88, 14.393, 346.649



52, 2.314, 79.491



0, 0.000, 0.000



53, 0.007, 296.813

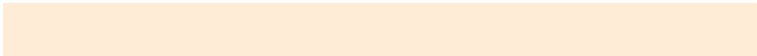


# Same Dimension

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



92, 10.809, 78.443



94, 13.331, 78.116



96, 16.825, 110.251



49, 4.521, 78.941



52, 66.200, 64.456



15, 24.714, 66.182



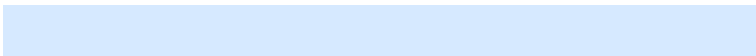


# Inverse Universe

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



90, 10.550, 262.098



92, 12.941, 262.498



86, 17.355, 292.858



48, 4.451, 261.516



38, 62.390, 288.251

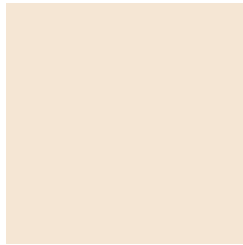


10, 24.038, 281.366



# Previews

## White Background



This preview shows how the CIELCh color 92, 10.808, 78.429 looks on a white background.

## Color Contrast Check

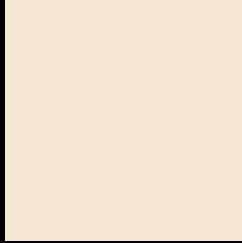
Large Text (above 18pt) WCAG AA × Fail

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, 10.808, 78.429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

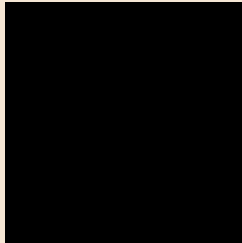
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 92, 10.808, 78.429

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 10.808, 78.429.

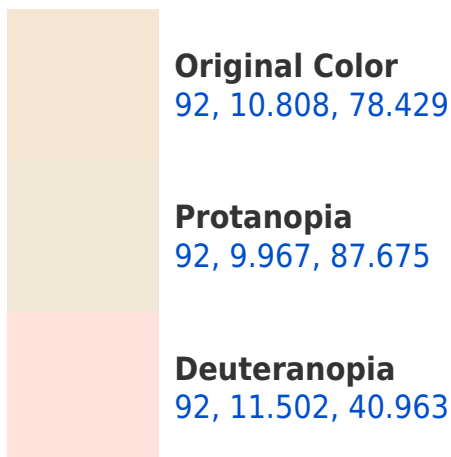


This preview shows how white text looks on a background with the CIELCh color 92, 10.808, 78.429.

# 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

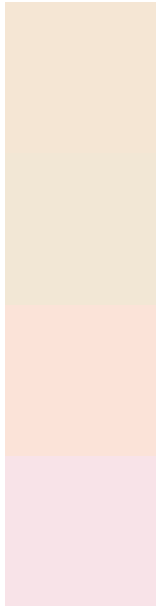




**Tritanopia**  
92, 12.651, 332.942



# Trichromacy



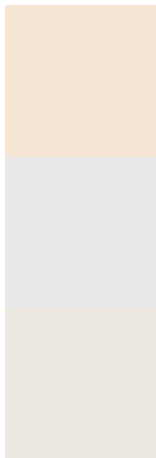
**Original Color**  
92, 10.808, 78.429

**Protanomaly**  
92, 10.110, 85.713

**Deuteranomaly**  
92, 10.544, 52.290

**Tritanomaly**  
92, 8.001, 1.126

# Monochromacy



**Original Color**  
92, 10.808, 78.429

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 3.756, 74.693

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 10.808, 78.429 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(245, 230, 212)` looks like.

```
.text, #text, p{  
    color:rgb(245, 230, 212)  
}
```

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(245, 230, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 230, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 10.808, 78.429 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(245, 230, 212) }
```

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

```
.border{ border-color:rgb(245, 230, 212) }
```

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

Here you see how a box with a 4 pixel rgb(245, 230, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 230, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 230, 212);  
box-shadow:4px 4px 4px 4px rgb(245, 230,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 10.808, 78.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 230, 212) }
```

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

```
.background{ background-color: rgb(245,  
230, 212) }
```

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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