

# Converting Colors

CIELCh(90, 11.348, 92.111)

Have a look what the booklet for  
CIELCh(90, 11.348, 92.111) contains.

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# **Color**

**CIELCh(90, 11.358, 92.105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE2CD
RGB	235, 226, 205
RGB Percent	92%, 89%, 80%
CMY	0.0793, 0.1145, 0.1969
CMYK	0.00, 0.04, 0.13, 0.08
HSL	42°, 43%, 86%
HSV	42°, 13%, 92%
XYZ	72.3256, 76.3034, 68.5434
YIQ	226.2970, 12.1050, -4.6230

# Conversions

## Conversions Part 2

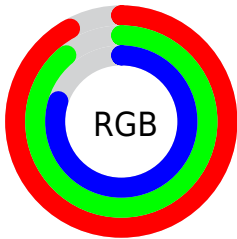
Format	Color
R <sub>Y</sub> B	218, 235, 205
Decimal	15459021
CIE Lab	90.00, -0.42, 11.35
CIE LCh	90, 11.358, 92.105
Yxy	76.3034, 0.3330, 0.3513
Android (android.graphics.Color)	4293649101 (0xFFEBE2CD)
YUV	226.2970, -10.4994, 7.6325
Hunter-Lab	87.3518, -5.0711, 14.6225

# Details

The CIELCh color **90, 11.358, 92.105** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 11.393, 275.423**, 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, 11.340, 92.845** is the 20% darker color. If you saturate the color by 10%, you get **88, 20.431, 90.844**, and if you desaturate by 10%, it is **92, 2.438, 93.275**.

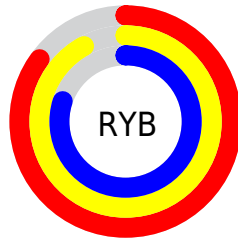
# Distribution



Red (92%)

Green (89%)

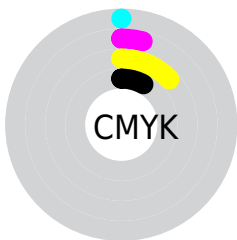
Blue (80%)



Red (85%)

Yellow (92%)

Blue (80%)

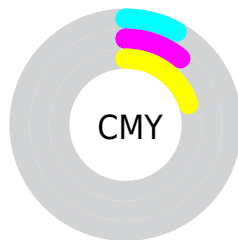


Cyan (0%)

Magenta (4%)

Yellow (13%)

Black (8%)



Cyan (8%)

Magenta (11%)

Yellow (20%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 11.358, 92.105 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, 11.358, 92.105 by changing the saturation by 10% instead.



 90, 11.358, 92.105

 90, 11.358, 92.105

 100, 11.358,  
92.105

 80, 11.358, 92.105

 70, 11.358, 92.105

 60, 11.358, 92.105

 50, 11.358, 92.105

 40, 11.358, 92.105

 30, 11.358, 92.105

 20, 11.358, 92.105

 10, 11.358, 92.105

 0, 11.358, 92.105

90, 11.358, 92.105

90, 11.358, 92.105

88, 20.431, 90.844

92, 2.438, 93.275

86, 29.624, 89.526

95, 6.326, 274.606

83, 38.875, 88.168

97, 5.805, 244.865

81, 48.055, 86.770

98, 6.575, 203.749

79, 56.919, 85.317

99, 6.921, 199.063

77, 65.036, 83.774

75, 71.715, 82.062

74, 76.081, 80.046

72, 77.768, 78.369

# Harmonies

# Complementary

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



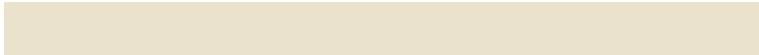
90, 11.358, 92.105



85, 11.393, 275.423

# Rectangle

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



90, 11.358, 92.105



90, 11.358, 142.105



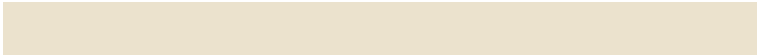
90, 11.358, 272.105



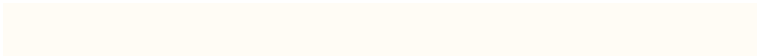
90, 11.358, 322.105

# Sweetspot

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



90, 11.359, 92.117



99, 3.766, 93.155



85, 11.985, 357.166



53, 2.680, 93.074



0, 0.000, 0.000

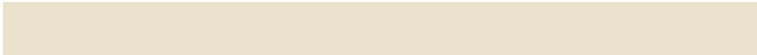


53, 0.007, 296.813



# Same Dimension

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



90, 11.359, 92.117



96, 14.292, 91.830



92, 15.596, 117.123



48, 5.032, 92.524



57, 64.062, 78.839



16, 23.836, 81.738





# Inverse Universe

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



85, 11.393, 275.423



91, 14.334, 275.760



84, 16.029, 298.932



46, 5.048, 274.961



29, 79.500, 298.312

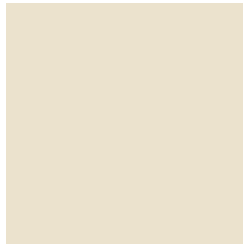


6, 27.966, 290.448



# Previews

## White Background



This preview shows how the CIELCh color 90, 11.358, 92.105 looks on a white background.

## Color Contrast Check

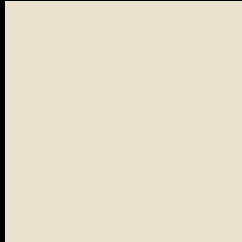
Large Text (above 18pt) WCAG AA × Fail

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, 11.358, 92.105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

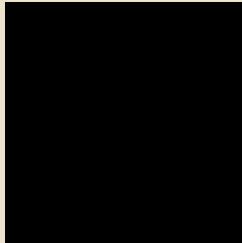
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

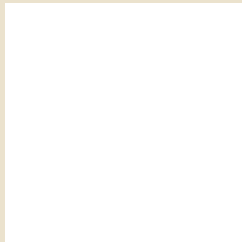
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 90, 11.358, 92.105

## Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.358, 92.105.

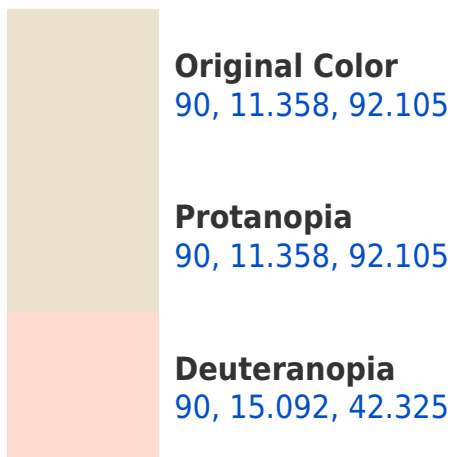


This preview shows how white text looks on a background with the CIELCh color 90, 11.358, 92.105.

# 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

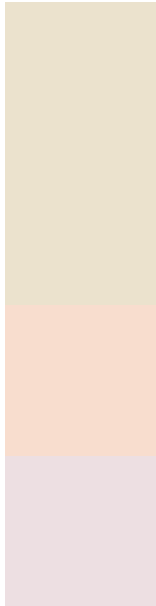




**Tritanopia**  
90, 10.948, 326.363



# Trichromacy



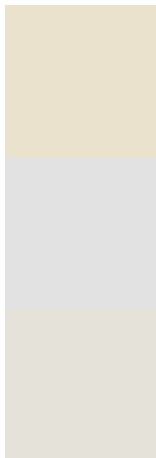
**Original Color**  
90, 11.358, 92.105

**Protanomaly**  
90, 11.358, 92.105

**Deuteranomaly**  
90, 12.798, 57.127

**Tritanomaly**  
90, 5.294, 2.606

# Monochromacy



**Original Color**  
90, 11.358, 92.105

**Achromatopsia**  
90, 0.011, 296.813

**Achromatomaly**  
90, 4.269, 95.049

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 11.358, 92.105 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(235, 226, 205)` looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 205)  
}
```

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(235, 226, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 11.358, 92.105 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(235, 226, 205) }
```

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

```
.border{ border-color:rgb(235, 226, 205) }
```

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

Here you see how a box with a 4 pixel rgb(235, 226, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 205);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 11.358, 92.105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 226, 205) }
```

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

```
.background{ background-color: rgb(235,  
226, 205) }
```

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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