

# Converting Colors

CIELCh(71, 30.635, 12.188)

Have a look what the booklet for  
CIELCh(71, 30.635, 12.188) contains.

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# Color

**CIELCh(71, 30.478, 12.302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E599A3
RGB	229, 153, 163
RGB Percent	90%, 60%, 64%
CMY	0.1012, 0.3992, 0.3600
CMYK	0.00, 0.33, 0.29, 0.10
HSL	352°, 60%, 75%
HSV	352°, 33%, 90%
XYZ	50.4289, 42.1875, 40.2237
YIQ	176.8640, 42.0860, 19.2220

# Conversions

## Conversions Part 2

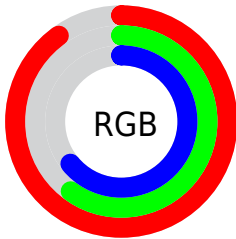
Format	Color
R <sub>Y</sub> B	229, 153, 163
Decimal	15047075
CIE Lab	71.00, 29.78, 6.49
CIE LCh	71, 30.478, 12.302
Yxy	42.1875, 0.3796, 0.3176
Android (android.graphics.Color)	4293237155 (0xFFE599A3)
YUV	176.8640, -6.8350, 45.7233
Hunter-Lab	64.9519, 24.9223, 8.7489

# Details

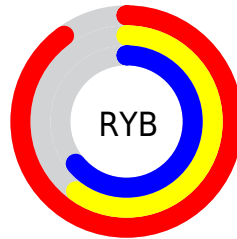
The CIELCh color **71, 30.478, 12.302** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **86, 25.686, 185.814**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 18.083, 4.139**, and **51, 30.549, 12.825** is the 20% darker color. If you saturate the color by 10%, you get **66, 40.567, 14.040**, and if you desaturate by 10%, it is **77, 20.717, 10.912**.

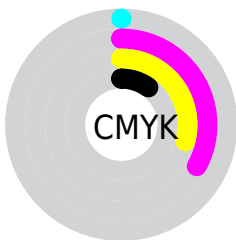
# Distribution



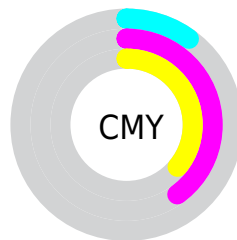
- Red (90%)
- Green (60%)
- Blue (64%)



- Red (90%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (33%)
- Yellow (29%)
- Black (10%)



- Cyan (10%)
- Magenta (40%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 30.478, 12.302 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 71, 30.478, 12.302 by changing the saturation by 10% instead.



71, 30.478, 12.302

71, 30.478, 12.302

100, 30.478,  
12.302

61, 30.478, 12.302

91, 30.478, 12.302

51, 30.478, 12.302

41, 30.478, 12.302

31, 30.478, 12.302

21, 30.478, 12.302

11, 30.478, 12.302

1, 30.478, 12.302

0, 30.478, 12.302

71, 30.478, 12.302

71, 30.478, 12.302

66, 40.567, 14.040

77, 20.717, 10.912

61, 50.759, 16.231

83, 11.427, 9.761

56, 60.729, 19.020

89, 2.664, 8.657

53, 70.111, 22.536

95, 5.567, 188.194

50, 78.603, 26.819

98, 8.784, 198.926

49, 86.000, 31.645

48, 90.397, 34.797

# Harmonies

# Complementary

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



71, 30.478, 12.302



86, 25.686, 185.814

# Rectangle

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



71, 30.478, 12.302



71, 30.478, 62.302



71, 30.478, 192.302



71, 30.478, 242.302

# Sweetspot

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



71, 30.475, 12.306



93, 9.376, 9.436



72, 46.916, 322.312



49, 6.424, 9.583



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



71, 30.475, 12.306



74, 40.745, 13.490



77, 24.889, 56.899



45, 4.880, 9.374



37, 74.298, 33.968



6, 26.758, 16.298





# Inverse Universe

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



71, 30.475, 12.306



74, 40.745, 13.490



79, 20.962, 244.235



45, 4.880, 9.374



37, 74.298, 33.968

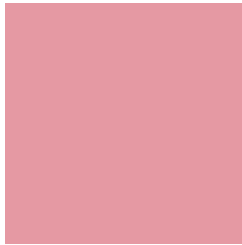


6, 26.758, 16.298



# Previews

## White Background



This preview shows how the CIELCh color 71, 30.478, 12.302 looks on a white background.

## Color Contrast Check

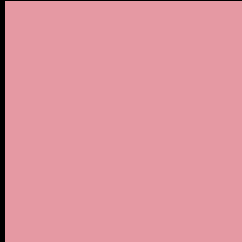
Large Text (above 18pt) WCAG AA × Fail

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 71, 30.478, 12.302 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 71, 30.478, 12.302

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 30.478, 12.302.

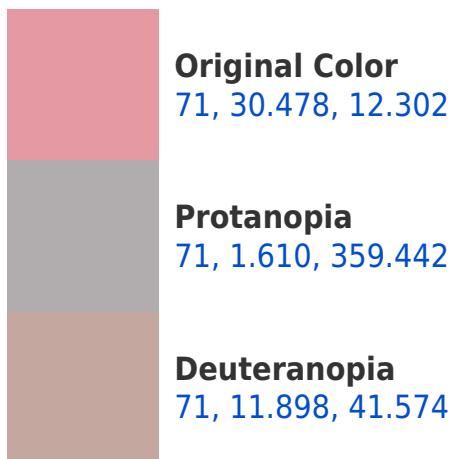


This preview shows how white text looks on a background with the CIELCh color 71, 30.478, 12.302.

# 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**  
71, 30.538, 10.289



# Trichromacy



**Original Color**  
71, 30.478, 12.302

**Protanomaly**  
71, 11.777, 9.831

**Deuteranomaly**  
71, 17.889, 24.426

**Tritanomaly**  
71, 30.503, 11.294

# Monochromacy



**Original Color**  
71, 30.478, 12.302

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
71, 10.980, 8.977

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 30.478, 12.302 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(229, 153, 163)` looks like.

```
.text, #text, p{  
    color:rgb(229, 153, 163)  
}
```

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(229, 153, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 153, 163) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 30.478, 12.302 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(229, 153, 163) }
```

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

```
.border{ border-color:rgb(229, 153, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 153, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 153, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 153, 163);  
box-shadow:4px 4px 4px 4px rgb(229, 153,  
163) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 30.478, 12.302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 153, 163) }
```

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

```
.background{ background-color: rgb(229,  
153, 163) }
```

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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