

# Converting Colors

CIELCh(76, 25.863, 13.725)

Have a look what the booklet for  
CIELCh(76, 25.863, 13.725) contains.

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# Color

**CIELCh(76, 25.919, 13.513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECAAB1
RGB	236, 170, 177
RGB Percent	93%, 67%, 69%
CMY	0.0736, 0.3325, 0.3050
CMYK	0.00, 0.28, 0.25, 0.07
HSL	354°, 64%, 80%
HSV	354°, 28%, 93%
XYZ	57.0432, 49.8872, 48.3313
YIQ	190.5320, 37.0890, 16.1690

# Conversions

## Conversions Part 2

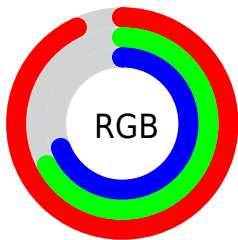
Format	Color
R <sub>Y</sub> B	236, 170, 177
Decimal	15510193
CIE Lab	76.00, 25.20, 6.06
CIE LCh	76, 25.919, 13.513
Yxy	49.8872, 0.3674, 0.3213
Android (android.graphics.Color)	4293700273 (0xFFECAAB1)
YUV	190.5320, -6.6713, 39.8754
Hunter-Lab	70.6309, 20.5567, 8.8706

# Details

The CIELCh color **76, 25.919, 13.513** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **89, 22.273, 188.468**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 11.083, 1.206**, and **56, 26.091, 12.637** is the 20% darker color. If you saturate the color by 10%, you get **70, 36.167, 15.044**, and if you desaturate by 10%, it is **82, 16.139, 12.286**.

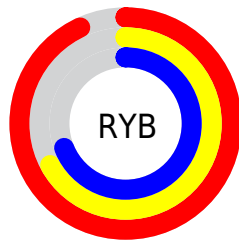
# Distribution



Red (93%)

Green (67%)

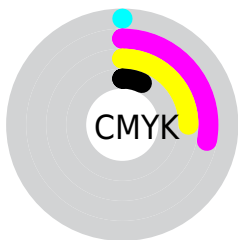
Blue (69%)



Red (93%)

Yellow (67%)

Blue (69%)

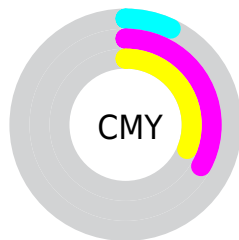


Cyan (0%)

Magenta (28%)

Yellow (25%)

Black (7%)



Cyan (7%)

Magenta (33%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 25.919, 13.513 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 76, 25.919, 13.513 by changing the saturation by 10% instead.



76, 25.919, 13.513

76, 25.919, 13.513

100, 25.919,  
13.513

66, 25.919, 13.513

96, 25.919, 13.513

56, 25.919, 13.513

46, 25.919, 13.513

36, 25.919, 13.513

26, 25.919, 13.513

16, 25.919, 13.513

6, 25.919, 13.513

0, 25.919, 13.513

76, 25.919, 13.513

76, 25.919, 13.513

70, 36.167, 15.044

82, 16.139, 12.286

65, 46.715, 16.971

88, 6.917, 11.245

60, 57.288, 19.429

95, 1.728, 190.862

56, 67.528, 22.552

99, 6.435, 199.101

53, 77.073, 26.420

51, 85.615, 30.916

50, 92.742, 35.463

49, 94.037, 36.244

# Harmonies

# Complementary

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



76, 25.919, 13.513



89, 22.273, 188.468

# Rectangle

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



76, 25.919, 13.513



76, 25.919, 63.513



76, 25.919, 193.513



76, 25.919, 243.513

# Sweetspot

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



76, 25.917, 13.517



95, 7.414, 11.254



77, 40.700, 322.574



50, 5.295, 11.406



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



76, 25.917, 13.517



78, 34.141, 14.422



82, 21.117, 59.190



46, 4.943, 11.398



38, 76.347, 35.466



7, 28.135, 18.379





# Inverse Universe

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



76, 25.917, 13.517



78, 34.141, 14.422



82, 18.468, 245.544



46, 4.943, 11.398



38, 76.347, 35.466

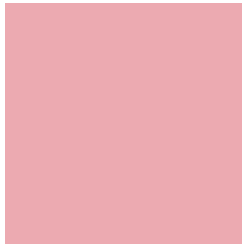


7, 28.135, 18.379



# Previews

## White Background



This preview shows how the CIELCh color 76, 25.919, 13.513 looks on a white background.

## Color Contrast Check

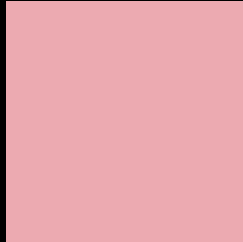
Large Text (above 18pt) WCAG AA × Fail

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 76, 25.919, 13.513 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 76, 25.919, 13.513

## Background



This preview shows how black text looks on a background with the CIELCh color 76, 25.919, 13.513.

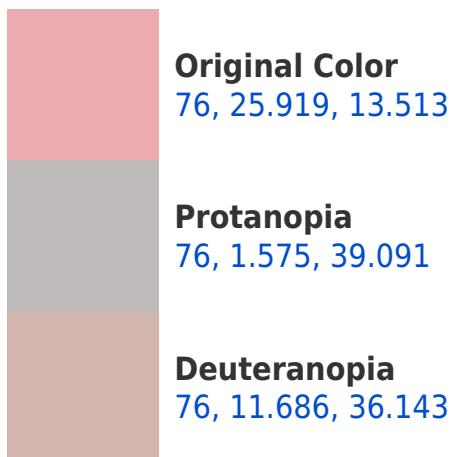


This preview shows how white text looks on a background with the CIELCh color 76, 25.919, 13.513.

# 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

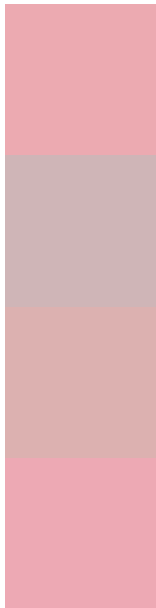




**Tritanopia**  
76, 27.013, 7.097



# Trichromacy



**Original Color**  
76, 25.919, 13.513

**Protanomaly**  
76, 9.933, 14.012

**Deuteranomaly**  
76, 16.713, 22.610

**Tritanomaly**  
76, 26.876, 9.332

# Monochromacy



**Original Color**  
76, 25.919, 13.513

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
76, 9.207, 10.098

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 76, 25.919, 13.513 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(236, 170, 177)` looks like.

```
.text, #text, p{  
    color:rgb(236, 170, 177)  
}
```

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(236, 170, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 170, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 76, 25.919, 13.513 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(236, 170, 177) }
```

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

```
.border{ border-color:rgb(236, 170, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 170, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 170, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 170, 177);  
box-shadow:4px 4px 4px 4px rgb(236, 170,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 76, 25.919, 13.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 170, 177) }
```

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

```
.background{ background-color: rgb(236,  
170, 177) }
```

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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