

# Converting Colors

CIELCh(78, 18.928, 21.092)

Have a look what the booklet for  
CIELCh(78, 18.928, 21.092) contains.

<b>CIELCh(78, 18.966, 20.967)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(78, 18.966, 20.967)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6B5B5
RGB	230, 181, 181
RGB Percent	90%, 71%, 71%
CMY	0.0980, 0.2901, 0.2902
CMYK	0.00, 0.21, 0.21, 0.10
HSL	0°, 50%, 81%
HSV	0°, 21%, 90%
XYZ	57.5027, 53.2120, 50.9608
YIQ	195.6510, 29.2040, 10.3880

# Conversions

## Conversions Part 2

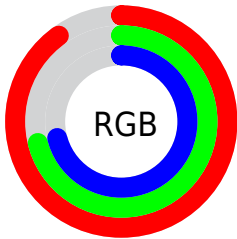
Format	Color
R <sub>Y</sub> B	230, 181, 181
Decimal	15119797
CIE Lab	78.00, 17.71, 6.79
CIE LCh	78, 18.966, 20.967
Yxy	53.2120, 0.3557, 0.3291
Android (android.graphics.Color)	4293309877 (0xFFE6B5B5)
YUV	195.6510, -7.2229, 30.1241
Hunter-Lab	72.9466, 13.0523, 9.6423

# Details

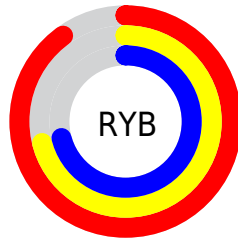
The CIELCh color **78, 18.966, 20.967** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88, 16.463, 198.334**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 6.460, 19.746**, and **58, 19.098, 21.454** is the 20% darker color. If you saturate the color by 10%, you get **72, 28.946, 22.097**, and if you desaturate by 10%, it is **84, 9.673, 20.090**.

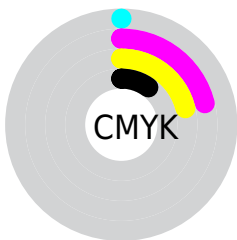
# Distribution



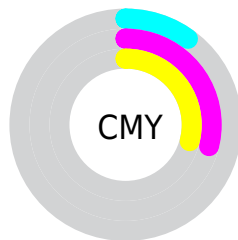
- Red (90%)
- Green (71%)
- Blue (71%)



- Red (90%)
- Yellow (71%)
- Blue (71%)



- Cyan (0%)
- Magenta (21%)
- Yellow (21%)
- Black (10%)



- Cyan (10%)
- Magenta (29%)
- Yellow (29%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 18.966, 20.967 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 78, 18.966, 20.967 by changing the saturation by 10% instead.



 78, 18.966, 20.967

 78, 18.966, 20.967

 100, 18.966,  
20.967

 68, 18.966, 20.967

 98, 18.966, 20.967

 58, 18.966, 20.967

 48, 18.966, 20.967

 38, 18.966, 20.967

 28, 18.966, 20.967

 18, 18.966, 20.967

 8, 18.966, 20.967

 0, 18.966, 20.967

 78, 18.966, 20.967

 78, 18.966, 20.967

72, 28.946, 22.097

84, 9.673, 20.090

66, 39.556, 23.560

90, 1.073, 18.922

61, 50.635, 25.473

97, 6.875, 199.066

57, 61.917, 27.945

98, 8.518, 198.945

53, 73.018, 31.031

50, 83.380, 34.582

49, 91.888, 37.952

48, 96.728, 40.001

# Harmonies

# Complementary

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



78, 18.966, 20.967



88, 16.463, 198.334

# Rectangle

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



78, 18.966, 20.967



78, 18.966, 70.967



78, 18.966, 200.967



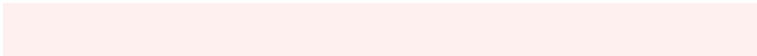
78, 18.966, 250.967

# Sweetspot

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



78, 18.964, 20.974



96, 5.467, 19.664



79, 31.337, 325.603



51, 3.636, 19.719



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



78, 18.964, 20.974



82, 25.639, 21.482



84, 16.036, 72.763



45, 4.816, 19.942



37, 79.983, 39.973



6, 27.103, 21.762



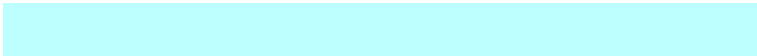


# Inverse Universe

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



88, 16.463, 198.334



96, 21.480, 198.102



82, 15.150, 258.538



47, 4.536, 198.977



66, 38.342, 196.399



18, 16.090, 196.397



# Previews

## White Background



This preview shows how the CIELCh color 78, 18.966, 20.967 looks on a white background.

## Color Contrast Check

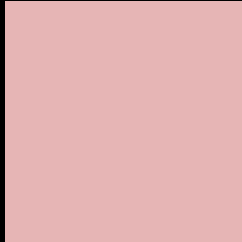
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 78, 18.966, 20.967 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

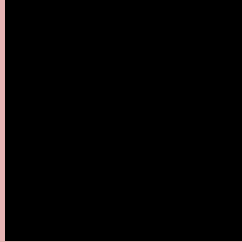
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 18.966, 20.967

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 18.966, 20.967.



This preview shows how white text looks on a background with the CIELCh color 78, 18.966, 20.967.

# 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

78, 18.966, 20.967

### Protanopia

78, 3.468, 69.594

### Deuteranopia

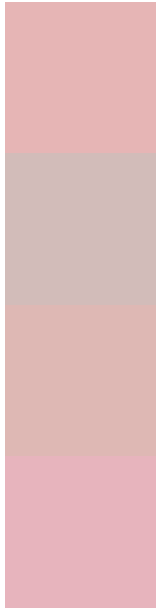
78, 12.377, 35.190



**Tritanopia**  
78, 20.965, 0.488



# Trichromacy



**Original Color**  
78, 18.966, 20.967

**Protanomaly**  
78, 8.498, 30.815

**Deuteranomaly**  
78, 14.850, 28.750

**Tritanomaly**  
78, 19.973, 7.317

# Monochromacy



**Original Color**  
78, 18.966, 20.967

**Achromatopsia**  
79, 0.010, 296.813

**Achromatomaly**  
79, 6.366, 19.829

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 18.966, 20.967 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(230, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(230, 181, 181)  
}
```

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(230, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 181, 181) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 18.966, 20.967 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(230, 181, 181) }
```

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

```
.border{ border-color:rgb(230, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(230, 181,  
181) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 18.966, 20.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 181, 181) }
```

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

```
.background{ background-color: rgb(230,  
181, 181) }
```

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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