

# Converting Colors

CIELCh(78, 17.872, 22.033)

Have a look what the booklet for  
CIELCh(78, 17.872, 22.033) contains.

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# Color

**CIELCh(78, 17.804, 22.552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4B6B5
RGB	228, 182, 181
RGB Percent	89%, 71%, 71%
CMY	0.1064, 0.2867, 0.2907
CMYK	0.00, 0.20, 0.21, 0.11
HSL	1°, 46%, 80%
HSV	1°, 21%, 89%
XYZ	56.9871, 53.2120, 50.9199
YIQ	195.6400, 27.7370, 9.4410

# Conversions

## Conversions Part 2

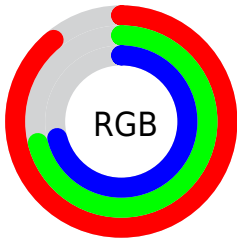
Format	Color
R <sub>YB</sub>	228, 182, 181
Decimal	14988981
CIE <sub>Lab</sub>	78.00, 16.44, 6.83
CIE <sub>LCh</sub>	78, 17.804, 22.552
Yxy	53.2120, 0.3537, 0.3303
Android (android.graphics.Color)	4293179061 (0xFFE4B6B5)
YUV	195.6400, -7.2175, 28.3797
Hunter-Lab	72.9466, 11.7908, 9.6756

# Details

The CIELCh color **78, 17.804, 22.552** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87, 15.508, 200.338**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 6.119, 24.497**, and **58, 17.859, 23.085** is the 20% darker color. If you saturate the color by 10%, you get **72, 27.486, 23.568**, and if you desaturate by 10%, it is **84, 8.810, 21.768**.

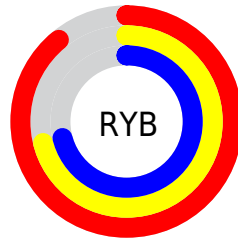
# Distribution



Red (89%)

Green (71%)

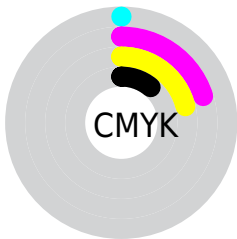
Blue (71%)



Red (89%)

Yellow (71%)

Blue (71%)

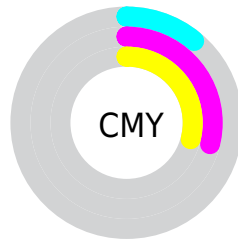


Cyan (0%)

Magenta (20%)

Yellow (21%)

Black (11%)



Cyan (11%)

Magenta (29%)

Yellow (29%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 17.804, 22.552 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, 17.804, 22.552 by changing the saturation by 10% instead.



 78, 17.804, 22.552

 78, 17.804, 22.552

 100, 17.804,  
22.552

 68, 17.804, 22.552

 98, 17.804, 22.552

 58, 17.804, 22.552

 48, 17.804, 22.552

 38, 17.804, 22.552

 28, 17.804, 22.552

 18, 17.804, 22.552

 8, 17.804, 22.552

 0, 17.804, 22.552

 78, 17.804, 22.552

 78, 17.804, 22.552

72, 27.486, 23.568

84, 8.810, 21.768

67, 37.820, 24.890

90, 0.497, 20.031

62, 48.677, 26.624

96, 7.181, 200.904

57, 59.831, 28.870

98, 9.225, 198.894

53, 70.933, 31.680

50, 81.451, 34.931

49, 90.318, 38.062

48, 95.781, 40.173

# Harmonies

# Complementary

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



78, 17.804, 22.552



87, 15.508, 200.338

# Rectangle

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



78, 17.804, 22.552



78, 17.804, 72.552



78, 17.804, 202.552



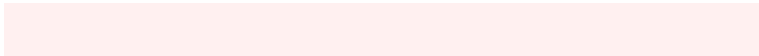
78, 17.804, 252.552

# Sweetspot

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



78, 17.802, 22.559



96, 5.352, 21.429



79, 29.769, 326.019



51, 3.560, 21.480



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, 17.802, 22.559



83, 24.069, 22.984



84, 15.532, 74.593



45, 4.716, 21.684



37, 79.688, 40.213



7, 26.695, 22.833



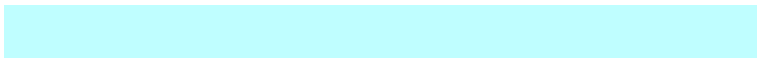


# Inverse Universe

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



87, 15.508, 200.338



96, 20.276, 200.159



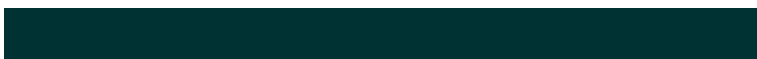
81, 14.788, 260.231



47, 4.439, 200.857



65, 37.217, 199.768

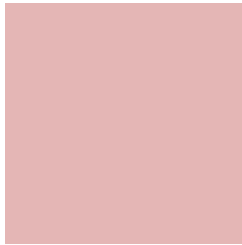


18, 15.688, 199.232



# Previews

## White Background



This preview shows how the CIELCh color 78, 17.804, 22.552 looks on a white background.

## Color Contrast Check

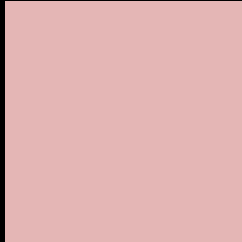
Large Text (above 18pt) WCAG AA × Fail

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, 17.804, 22.552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

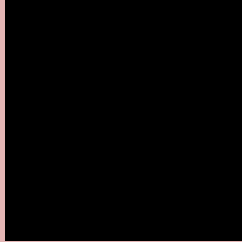
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 78, 17.804, 22.552

## Background



This preview shows how black text looks on a background with the CIELCh color 78, 17.804, 22.552.



This preview shows how white text looks on a background with the CIELCh color 78, 17.804, 22.552.

# 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

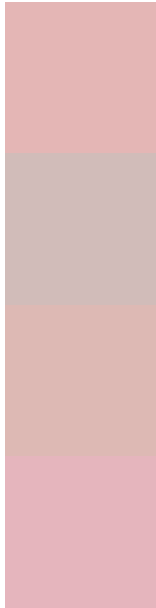




**Tritanopia**  
78, 19.874, 359.170



# Trichromacy



**Original Color**  
78, 17.804, 22.552

**Protanomaly**  
78, 8.119, 31.299

**Deuteranomaly**  
78, 14.173, 31.239

**Tritanomaly**  
78, 18.733, 7.926

# Monochromacy



**Original Color**  
78, 17.804, 22.552

**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, 17.804, 22.552 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(228, 182, 181)` looks like.

```
.text, #text, p{  
    color:rgb(228, 182, 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(228, 182, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 182, 181) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 17.804, 22.552 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(228, 182, 181) }
```

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

```
.border{ border-color:rgb(228, 182, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 182, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 182, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 182, 181);  
box-shadow:4px 4px 4px 4px rgb(228, 182,  
181) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 17.804, 22.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 182, 181) }
```

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

```
.background{ background-color: rgb(228,  
182, 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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