

# Converting Colors

CIELCh(78, 33.952, 22.584)

Have a look what the booklet for  
CIELCh(78, 33.952, 22.584) contains.

<b>CIELCh(78, 33.788, 22.382)</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, 33.788, 22.382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFAAAA
RGB	255, 170, 170
RGB Percent	100%, 67%, 67%
CMY	0.0000, 0.3314, 0.3315
CMYK	0.00, 0.33, 0.33, 0.00
HSL	0°, 100%, 83%
HSV	0°, 33%, 100%
XYZ	63.2015, 53.2120, 45.2069
YIQ	195.4150, 50.6600, 18.0200

# Conversions

## Conversions Part 2

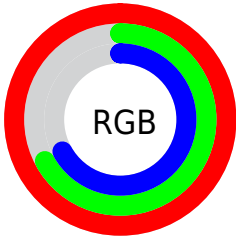
Format	Color
R <sub>Y</sub> B	255, 170, 170
Decimal	16755370
CIE Lab	78.00, 31.24, 12.87
CIE LCh	78, 33.788, 22.382
Yxy	53.2120, 0.3910, 0.3292
Android (android.graphics.Color)	4294945450 (0xFFFFAAAA)
YUV	195.4150, -12.5296, 52.2560
Hunter-Lab	72.9466, 26.9974, 14.3191

# Details

The CIELCh color **78, 33.788, 22.382** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **95, 26.620, 197.790**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **92, 10.618, 22.860**, and **58, 33.635, 22.394** is the 20% darker color. If you saturate the color by 10%, you get **72, 45.228, 23.922**, and if you desaturate by 10%, it is **84, 22.573, 21.178**.

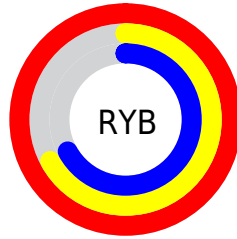
# Distribution



Red (100%)

Green (67%)

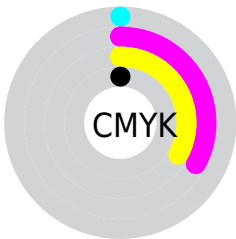
Blue (67%)



Red (100%)

Yellow (67%)

Blue (67%)

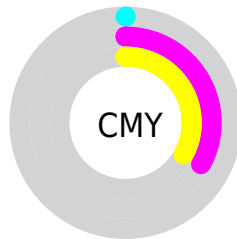


Cyan (0%)

Magenta (33%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (33%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 33.788, 22.382 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, 33.788, 22.382 by changing the saturation by 10% instead.



 78, 33.788, 22.382

 78, 33.788, 22.382

 100, 33.788,  
22.382

 68, 33.788, 22.382

 98, 33.788, 22.382

 58, 33.788, 22.382

 48, 33.788, 22.382

 38, 33.788, 22.382

 28, 33.788, 22.382

 18, 33.788, 22.382

 8, 33.788, 22.382

 0, 33.788, 22.382

 78, 33.788, 22.382

 78, 33.788, 22.382

72, 45.228, 23.922

84, 22.573, 21.178

66, 57.349, 25.956

91, 12.324, 20.251

62, 69.612, 28.575

98, 2.835, 19.375

58, 81.566, 31.806

100, 0.012,  
296.813

55, 92.516, 35.418

54, 100.982,  
38.587

53, 104.574,  
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, 33.788, 22.382



95, 26.620, 197.790

# Rectangle

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



78, 33.788, 22.382



78, 33.788, 72.382



78, 33.788, 202.382



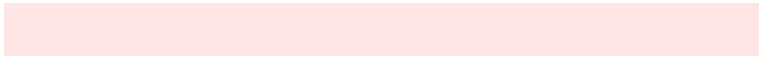
78, 33.788, 252.382

# Sweetspot

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



78, 33.571, 22.367



93, 9.258, 19.995



80, 52.812, 326.246



49, 6.352, 20.108



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, 33.571, 22.367



74, 41.499, 23.387



88, 27.920, 71.251



49, 5.253, 19.955



40, 84.228, 40.002



10, 33.364, 27.183





# Inverse Universe

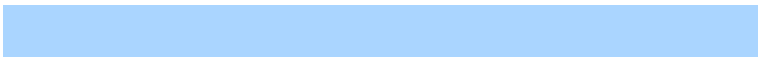
The Inverse Universe completely reimagines the original color for something new.



95, 26.620, 197.790



94, 31.150, 197.515



84, 25.421, 260.852



52, 4.945, 198.975



70, 40.356, 196.409



24, 18.566, 196.406



# Previews

## White Background



This preview shows how the CIELCh color 78, 33.788, 22.382 looks on a white background.

## Color Contrast Check

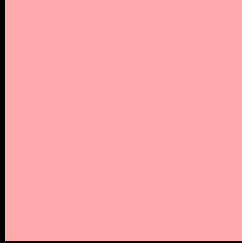
Large Text (above 18pt) WCAG AA × Fail

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, 33.788, 22.382 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, 33.788, 22.382**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 78, 33.788, 22.382.



This preview shows how white text looks on a background with the CIELCh color 78, 33.788, 22.382.

# 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, 33.788, 22.382

### Protanopia

78, 5.939, 83.209

### Deuteranopia

78, 16.925, 54.566



**Tritanopia**  
78, 33.898, 10.919



# Trichromacy



**Original Color**  
78, 33.788, 22.382

**Protanomaly**  
78, 13.944, 33.627

**Deuteranomaly**  
78, 21.934, 36.381

**Tritanomaly**  
78, 33.417, 15.227

# Monochromacy



**Original Color**  
78, 33.788, 22.382

**Achromatopsia**  
79, 0.010, 296.813

**Achromatomaly**  
78, 11.397, 20.286

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 78, 33.788, 22.382 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(255, 170, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 170)  
}
```

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(255, 170, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 78, 33.788, 22.382 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(255, 170, 170) }
```

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

```
.border{ border-color:rgb(255, 170, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 78, 33.788, 22.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 170) }
```

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

```
.background{ background-color: rgb(255,  
170, 170) }
```

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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