

# Converting Colors

CIELCh(77, 27.217, 38.694)

Have a look what the booklet for  
CIELCh(77, 27.217, 38.694) contains.

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# Color

**CIELCh(77, 27.275, 38.282)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EFAFA0
RGB	239, 175, 160
RGB Percent	94%, 69%, 63%
CMY	0.0629, 0.3138, 0.3727
CMYK	0.00, 0.27, 0.33, 0.06
HSL	11°, 71%, 78%
HSV	11°, 33%, 94%
XYZ	57.2540, 51.5317, 40.1740
YIQ	192.4260, 42.9590, 8.9030

# Conversions

## Conversions Part 2

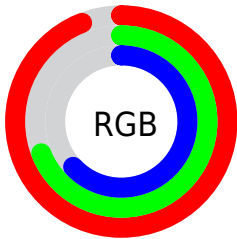
Format	Color
R <sub>YB</sub>	239, 179, 160
Decimal	15708064
CIE <sub>Lab</sub>	77.00, 21.41, 16.90
CIE <sub>LCh</sub>	77, 27.275, 38.282
Y <sub>xy</sub>	51.5317, 0.3844, 0.3459
Android (android.graphics.Color)	4293898144 (0xFFEFAFA0)
YUV	192.4260, -15.9860, 40.8454
Hunter-Lab	71.7856, 16.7412, 17.0689

# Details

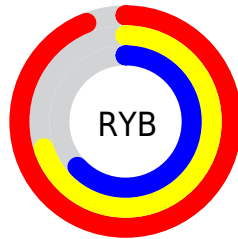
The CIELCh color **77, 27.275, 38.282** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **86, 21.551, 219.774**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 12.146, 62.248**, and **57, 27.258, 38.665** is the 20% darker color. If you saturate the color by 10%, you get **72, 37.034, 38.637**, and if you desaturate by 10%, it is **82, 18.237, 38.124**.

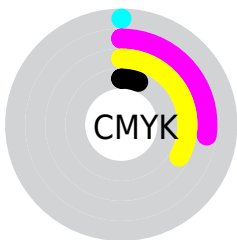
# Distribution



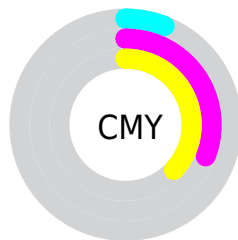
- Red (94%)
- Green (69%)
- Blue (63%)



- Red (94%)
- Yellow (70%)
- Blue (63%)



- Cyan (0%)
- Magenta (27%)
- Yellow (33%)
- Black (6%)



- Cyan (6%)
- Magenta (31%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 27.275, 38.282 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 77, 27.275, 38.282 by changing the saturation by 10% instead.



 77, 27.275, 38.282

 77, 27.275, 38.282

 100, 27.275,  
38.282

 67, 27.275, 38.282

 97, 27.275, 38.282

 57, 27.275, 38.282

 47, 27.275, 38.282

 37, 27.275, 38.282

 27, 27.275, 38.282

 17, 27.275, 38.282

 7, 27.275, 38.282

 0, 27.275, 38.282

 77, 27.275, 38.282

 77, 27.275, 38.282

72, 37.034, 38.637

82, 18.237, 38.124

67, 47.494, 39.214

87, 9.903, 38.093

63, 58.543, 40.044

93, 2.224, 37.987

59, 69.913, 41.095

98, 4.784, 215.306

56, 80.999, 42.190

99, 5.511, 199.176

53, 90.462, 42.818

52, 95.363, 42.829

# Harmonies

# Complementary

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



77, 27.275, 38.282



86, 21.551, 219.774

# Rectangle

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



77, 27.275, 38.282



77, 27.275, 88.282



77, 27.275, 218.282



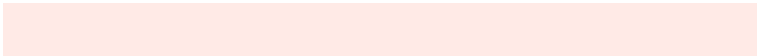
77, 27.275, 268.282

# Sweetspot

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



77, 27.273, 38.288



94, 7.895, 38.096



75, 44.131, 332.064



50, 5.418, 38.094



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



77, 27.273, 38.288



78, 35.831, 38.514



86, 29.883, 88.165



47, 4.256, 38.096



40, 77.848, 43.211



10, 26.353, 34.453



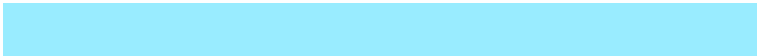


# Inverse Universe

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



86, 21.551, 219.774



89, 26.667, 220.375



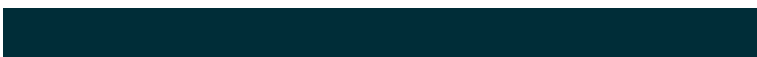
75, 29.880, 277.673



49, 4.009, 218.635



57, 34.181, 233.349



16, 14.850, 227.585



# Previews

## White Background



This preview shows how the CIELCh color 77, 27.275, 38.282 looks on a white background.

## Color Contrast Check

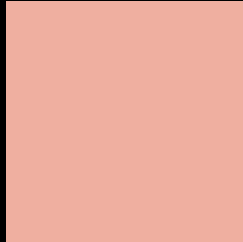
Large Text (above 18pt) WCAG AA × Fail

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 77, 27.275, 38.282 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 77, 27.275, 38.282

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 27.275, 38.282.



This preview shows how white text looks on a background with the CIELCh color 77, 27.275, 38.282.

# 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**

77, 27.275, 38.282

**Protanopia**

77, 12.769, 93.104

**Deuteranopia**

77, 20.153, 61.405



**Tritanopia**  
77, 27.714, 7.565



# Trichromacy



**Original Color**  
77, 27.275, 38.282

**Protanomaly**  
77, 16.143, 63.776

**Deuteranomaly**  
77, 22.208, 50.738

**Tritanomaly**  
77, 26.684, 18.352

# Monochromacy



**Original Color**  
77, 27.275, 38.282

**Achromatopsia**  
78, 0.009, 296.813

**Achromatomaly**  
77, 9.375, 39.943

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 27.275, 38.282 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(239, 175, 160)` looks like.

```
.text, #text, p{  
    color:rgb(239, 175, 160)  
}
```

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(239, 175, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 175, 160) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 27.275, 38.282 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(239, 175, 160) }
```

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

```
.border{ border-color:rgb(239, 175, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 175, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 175, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 175, 160);  
box-shadow:4px 4px 4px 4px rgb(239, 175,  
160) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 27.275, 38.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 175, 160) }
```

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

```
.background{ background-color: rgb(239,  
175, 160) }
```

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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