

# Converting Colors

CIELCh(83, 14.875, 21.064)

Have a look what the booklet for  
CIELCh(83, 14.875, 21.064) contains.

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# Color

**CIELCh(83, 15.132, 20.555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDC5C5
RGB	237, 197, 197
RGB Percent	93%, 77%, 77%
CMY	0.0694, 0.2263, 0.2263
CMYK	0.00, 0.17, 0.17, 0.07
HSL	0°, 53%, 85%
HSV	0°, 17%, 93%
XYZ	65.1669, 62.1629, 61.5592
YIQ	208.9600, 23.8400, 8.4800

# Conversions

## Conversions Part 2

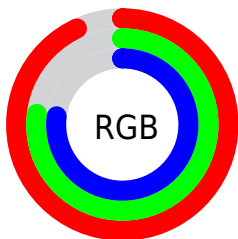
Format	Color
R <sub>Y</sub> B	237, 197, 197
Decimal	15582661
CIE Lab	83.00, 14.17, 5.31
CIE LCh	83, 15.132, 20.555
Yxy	62.1629, 0.3450, 0.3291
Android (android.graphics.Color)	4293772741 (0xFFEDC5C5)
YUV	208.9600, -5.8963, 24.5911
Hunter-Lab	78.8435, 9.5605, 8.8981

# Details

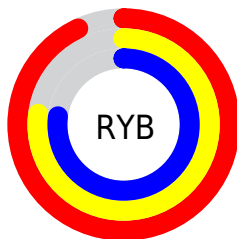
The CIELCh color **83, 15.132, 20.555** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91, 13.553, 198.562**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.351, 17.546**, and **63, 15.345, 20.905** is the 20% darker color. If you saturate the color by 10%, you get **77, 25.060, 21.570**, and if you desaturate by 10%, it is **89, 5.917, 19.737**.

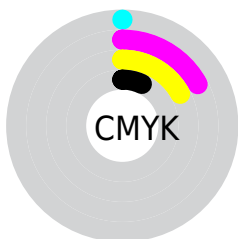
# Distribution



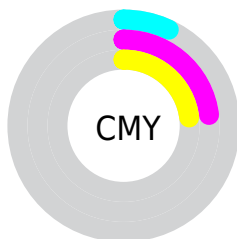
- Red (93%)
- Green (77%)
- Blue (77%)



- Red (93%)
- Yellow (77%)
- Blue (77%)



- Cyan (0%)
- Magenta (17%)
- Yellow (17%)
- Black (7%)



- Cyan (7%)
- Magenta (23%)
- Yellow (23%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 15.132, 20.555 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 83, 15.132, 20.555 by changing the saturation by 10% instead.



 83, 15.132, 20.555

 83, 15.132, 20.555

 100, 15.132,  
20.555

 73, 15.132, 20.555

 63, 15.132, 20.555

 53, 15.132, 20.555

 43, 15.132, 20.555

 33, 15.132, 20.555

 23, 15.132, 20.555

 13, 15.132, 20.555

 3, 15.132, 20.555

 0, 15.132, 20.555

83, 15.132, 20.555

83, 15.132, 20.555

77, 25.060, 21.570

89, 5.917, 19.737

71, 35.672, 22.873

96, 2.599, 199.492

65, 46.852, 24.578

99, 6.077, 199.129

60, 58.373, 26.799

56, 69.896, 29.625

53, 80.942, 33.022

51, 90.695, 36.602

50, 97.396, 39.317

50, 99.032, 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.



83, 15.132, 20.555



91, 13.553, 198.562

# Rectangle

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



83, 15.132, 20.555



83, 15.132, 70.555



83, 15.132, 200.555



83, 15.132, 250.555

# Sweetspot

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



83, 15.130, 20.563



97, 4.538, 19.577



84, 25.419, 325.359



51, 3.105, 19.640



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



83, 15.130, 20.563



86, 19.267, 20.861



88, 12.882, 73.309



47, 4.992, 19.948



38, 81.701, 39.996



8, 29.834, 23.813





# Inverse Universe

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



91, 13.553, 198.562



97, 16.870, 198.397



86, 12.330, 257.809



49, 4.701, 198.977



68, 39.150, 196.405



21, 17.091, 196.402



# Previews

## White Background



This preview shows how the CIELCh color 83, 15.132, 20.555 looks on a white background.

## Color Contrast Check

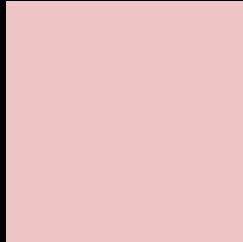
Large Text (above 18pt) WCAG AA × Fail

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 83, 15.132, 20.555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

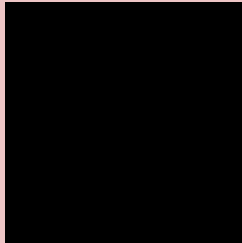
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 83, 15.132, 20.555

## Background



This preview shows how black text looks on a background with the CIELCh color 83, 15.132, 20.555.



This preview shows how white text looks on a background with the CIELCh color 83, 15.132, 20.555.

# 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

83, 15.132, 20.555

### Protanopia

83, 3.034, 63.265

### Deuteranopia

83, 11.798, 27.896



**Tritanopia**  
83, 18.062, 355.009



# Trichromacy



**Original Color**  
83, 15.132, 20.555

**Protanomaly**  
83, 6.878, 33.063

**Deuteranomaly**  
83, 12.881, 25.009

**Tritanomaly**  
83, 16.346, 3.923

# Monochromacy



**Original Color**  
83, 15.132, 20.555

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
84, 5.156, 19.686

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 83, 15.132, 20.555 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(237, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(237, 197, 197)  
}
```

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(237, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 197, 197) }
```

## Border

The CSS property to change the border of an element to CIELCh 83, 15.132, 20.555 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(237, 197, 197) }
```

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

```
.border{ border-color:rgb(237, 197, 197) }
```

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

Here you see how a box with a 4 pixel rgb(237, 197, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(237, 197,  
197) }
```

# Background

The CSS property to change the background color of an element to CIELCh 83, 15.132, 20.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 197, 197) }
```

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

```
.background{ background-color: rgb(237,  
197, 197) }
```

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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