

# Converting Colors

CIELCh(87, 15.355, 20.534)

Have a look what the booklet for  
CIELCh(87, 15.355, 20.534) contains.

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# Color

**CIELCh(87, 15.344, 20.523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9D0D0
RGB	249, 208, 208
RGB Percent	98%, 82%, 82%
CMY	0.0224, 0.1832, 0.1832
CMYK	0.00, 0.16, 0.16, 0.02
HSL	0°, 78%, 90%
HSV	0°, 16%, 98%
XYZ	73.2115, 70.0064, 69.5059
YIQ	220.2590, 24.4360, 8.6920

# Conversions

## Conversions Part 2

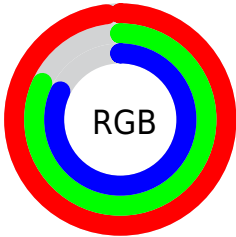
Format	Color
R <sub>Y</sub> B	249, 208, 208
Decimal	16371920
CIE Lab	87.00, 14.37, 5.38
CIE LCh	87, 15.344, 20.523
Yxy	70.0064, 0.3442, 0.3291
Android (android.graphics.Color)	4294562000 (0xFFFF9D0D0)
YUV	220.2590, -6.0437, 25.2059
Hunter-Lab	83.6698, 9.7662, 9.3157

# Details

The CIELCh color **87, 15.344, 20.523** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **95, 13.778, 198.582**, and the grayscale version is **88, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **67, 15.112, 20.800** is the 20% darker color. If you saturate the color by 10%, you get **81, 25.650, 21.532**, and if you desaturate by 10%, it is **94, 5.782, 19.705**.

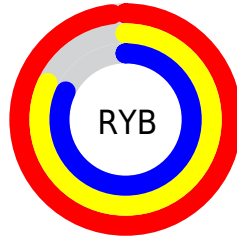
# Distribution



Red (98%)

Green (82%)

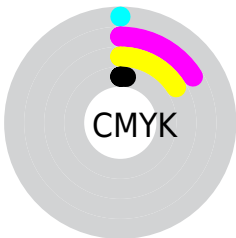
Blue (82%)



Red (98%)

Yellow (82%)

Blue (82%)

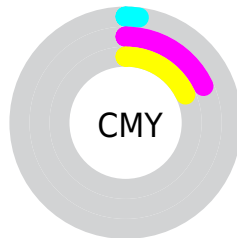


Cyan (0%)

Magenta (16%)

Yellow (16%)

Black (2%)



Cyan (2%)

Magenta (18%)

Yellow (18%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 15.344, 20.523 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 87, 15.344, 20.523 by changing the saturation by 10% instead.



 87, 15.344, 20.523

 87, 15.344, 20.523

 100, 15.344,  
20.523

 77, 15.344, 20.523

 67, 15.344, 20.523

 57, 15.344, 20.523

 47, 15.344, 20.523

 37, 15.344, 20.523

 27, 15.344, 20.523

 17, 15.344, 20.523

 7, 15.344, 20.523

 0, 15.344, 20.523

87, 15.344, 20.523

87, 15.344, 20.523

81, 25.650, 21.532

94, 5.782, 19.705

74, 36.674, 22.828

100, 1.982,  
199.614

69, 48.294, 24.524

63, 60.280, 26.735

59, 72.277, 29.553

56, 83.792, 32.949

53, 93.981, 36.543

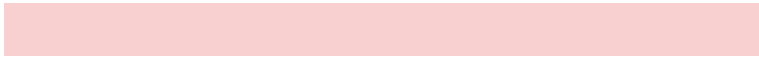
52, 100.995,  
39.276

52, 102.794,  
40.001

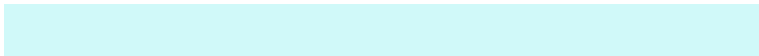
# Harmonies

# Complementary

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



87, 15.344, 20.523



95, 13.778, 198.582

# Rectangle

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



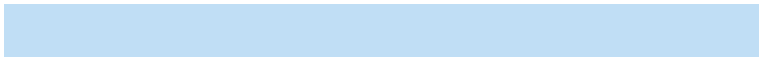
87, 15.344, 20.523



87, 15.344, 70.523



87, 15.344, 200.523



87, 15.344, 250.523

# Sweetspot

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



87, 15.342, 20.532



97, 4.538, 19.577



88, 25.810, 325.339



51, 3.105, 19.641



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

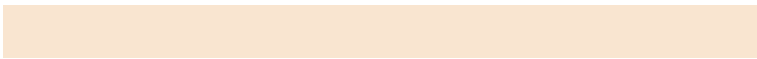
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 15.342, 20.532



86, 19.267, 20.861



92, 13.071, 73.354



49, 5.167, 19.952



39, 83.390, 40.001



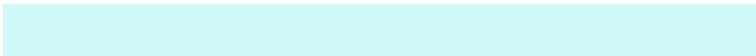
9, 32.193, 26.146



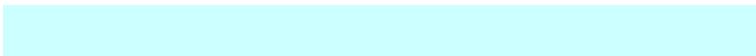


# Inverse Universe

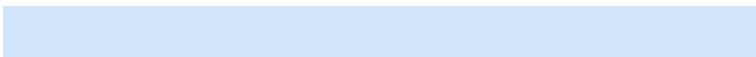
The Inverse Universe completely reimagines the original color for something new.



95, 13.778, 198.582



97, 16.870, 198.398



90, 12.524, 257.751



51, 4.864, 198.975



69, 39.956, 196.406

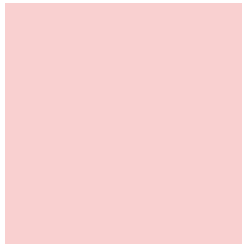


23, 18.078, 196.404



# Previews

## White Background



This preview shows how the CIELCh color 87, 15.344, 20.523 looks on a white background.

## Color Contrast Check

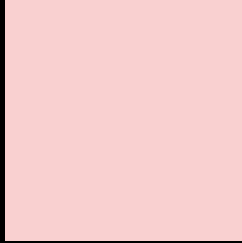
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 87, 15.344, 20.523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

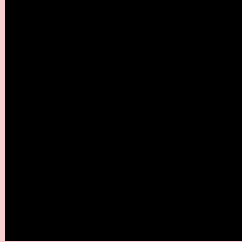
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 87, 15.344, 20.523

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 15.344, 20.523.

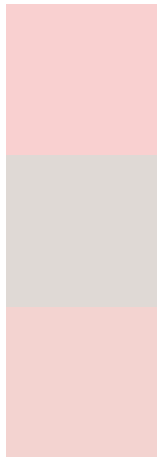


This preview shows how white text looks on a background with the CIELCh color 87, 15.344, 20.523.

# 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


87, 15.344, 20.523

### Protanopia

87, 3.003, 63.280

### Deuteranopia

87, 12.042, 27.650



**Tritanopia**  
87, 18.426, 353.984



# Trichromacy



**Original Color**  
87, 15.344, 20.523

**Protanomaly**  
87, 7.169, 32.394

**Deuteranomaly**  
87, 13.116, 24.858

**Tritanomaly**  
87, 16.666, 2.518

# Monochromacy



**Original Color**  
87, 15.344, 20.523

**Achromatopsia**  
88, 0.010, 296.813

**Achromatomaly**  
88, 5.472, 19.696

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 15.344, 20.523 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(249, 208, 208)` looks like.

```
.text, #text, p{  
    color:rgb(249, 208, 208)  
}
```

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(249, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 208, 208) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 15.344, 20.523 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(249, 208, 208) }
```

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

```
.border{ border-color:rgb(249, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 208, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 208, 208); box-shadow:4px 4px 4px 4px rgb(249, 208, 208) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 15.344, 20.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 208, 208) }
```

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

```
.background{ background-color: rgb(249,  
208, 208) }
```

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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