

# Converting Colors

CIELCh(84, 20.955, 70.343)

Have a look what the booklet for  
CIELCh(84, 20.955, 70.343) contains.

<b>CIELCh(84, 20.959, 70.397)</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(84, 20.959, 70.397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDCCAD
RGB	237, 204, 173
RGB Percent	93%, 80%, 68%
CMY	0.0714, 0.2008, 0.3223
CMYK	0.00, 0.14, 0.27, 0.07
HSL	29°, 64%, 80%
HSV	29°, 27%, 93%
XYZ	63.9216, 64.0658, 48.4315
YIQ	210.3330, 29.6190, -2.6450

# Conversions

## Conversions Part 2

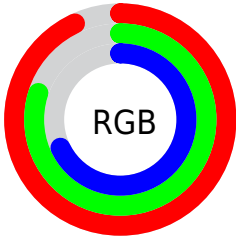
Format	Color
R <sub>Y</sub> B	237, 233, 173
Decimal	15584429
CIE Lab	84.00, 7.03, 19.74
CIE LCh	84, 20.959, 70.397
Yxy	64.0658, 0.3623, 0.3631
Android (android.graphics.Color)	4293774509 (0xFFEDCCAD)
YUV	210.3330, -18.4052, 23.3870
Hunter-Lab	80.0411, 2.4800, 20.1534

# Details

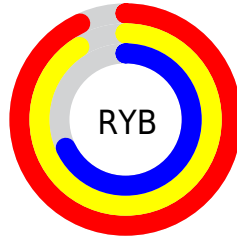
The CIELCh color  $84, 20.959, 70.397$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $81, 19.316, 257.839$ , and the grayscale version is  $84, 0.010, 296.813$ .

A 20% lighter version of the original color is  $99, 13.158, 109.183$ , and  $64, 20.675, 70.505$  is the 20% darker color. If you saturate the color by 10%, you get  $81, 29.453, 69.173$ , and if you desaturate by 10%, it is  $88, 12.874, 71.624$ .

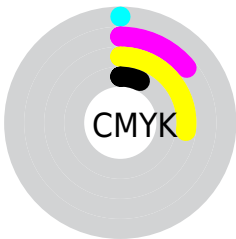
# Distribution



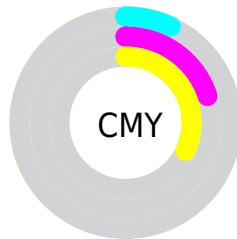
- Red (93%)
- Green (80%)
- Blue (68%)



- Red (93%)
- Yellow (91%)
- Blue (68%)



- Cyan (0%)
- Magenta (14%)
- Yellow (27%)
- Black (7%)



- Cyan (7%)
- Magenta (20%)
- Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 20.959, 70.397 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 84, 20.959, 70.397 by changing the saturation by 10% instead.



 84, 20.959, 70.397

 84, 20.959, 70.397

 100, 20.959,  
70.397

 74, 20.959, 70.397

 64, 20.959, 70.397

 54, 20.959, 70.397

 44, 20.959, 70.397

 34, 20.959, 70.397

 24, 20.959, 70.397

 14, 20.959, 70.397

 4, 20.959, 70.397

 0, 20.959, 70.397

84, 20.959, 70.397

84, 20.959, 70.397

81, 29.453, 69.173

88, 12.874, 71.624

77, 38.346, 67.935

91, 5.179, 72.793

74, 47.570, 66.682

95, 2.158, 254.274

71, 56.939, 65.373

98, 5.547, 211.801

68, 66.044, 63.907

99, 6.250, 199.116

65, 74.088, 62.066

63, 79.926, 59.493

62, 81.422, 58.687

# Harmonies

# Complementary

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



84, 20.959, 70.397



81, 19.316, 257.839

# Rectangle

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



84, 20.959, 70.397



84, 20.959, 120.397



84, 20.959, 250.397



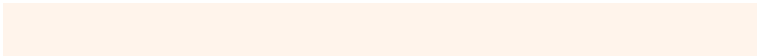
84, 20.959, 300.397

# Sweetspot

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



84, 20.959, 70.405



97, 6.282, 72.681



77, 29.323, 345.202



51, 4.482, 72.510



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



84, 20.959, 70.405



88, 26.702, 69.777



92, 32.116, 106.842



47, 4.184, 72.519



48, 66.330, 59.391



13, 22.185, 59.270



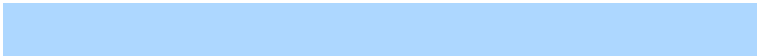


# Inverse Universe

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



81, 19.316, 257.839



84, 24.183, 258.856



73, 34.201, 292.812



47, 4.083, 255.002



40, 54.050, 282.429

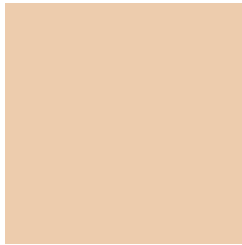


10, 20.034, 274.113



# Previews

## White Background



This preview shows how the CIELCh color 84, 20.959, 70.397 looks on a white background.

## Color Contrast Check

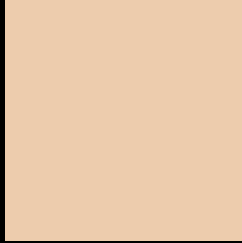
Large Text (above 18pt) WCAG AA × Fail

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 84, 20.959, 70.397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

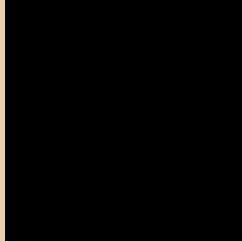
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 84, 20.959, 70.397

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 20.959, 70.397.



This preview shows how white text looks on a background with the CIELCh color 84, 20.959, 70.397.

# 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

84, 20.959, 70.397

### Protanopia

84, 18.425, 93.961

### Deuteranopia

84, 22.428, 62.556



**Tritanopia**  
84, 18.013, 354.984



# Trichromacy



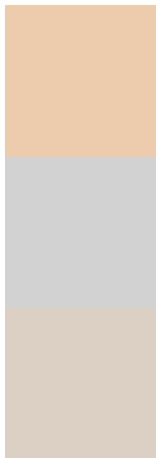
**Original Color**  
84, 20.959, 70.397

**Protanomaly**  
84, 19.034, 84.406

**Deuteranomaly**  
84, 21.920, 65.586

**Tritanomaly**  
84, 15.183, 24.469

# Monochromacy



**Original Color**  
84, 20.959, 70.397

**Achromatopsia**  
84, 0.010, 296.813

**Achromatomaly**  
84, 7.727, 74.038

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 20.959, 70.397 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, 204, 173)` looks like.

```
.text, #text, p{  
    color:rgb(237, 204, 173)  
}
```

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, 204, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 204, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 20.959, 70.397 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, 204, 173) }
```

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

```
.border{ border-color:rgb(237, 204, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 204, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 204, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 204, 173);  
box-shadow:4px 4px 4px 4px rgb(237, 204,  
173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 20.959, 70.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 204, 173) }
```

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

```
.background{ background-color: rgb(237,  
204, 173) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor