

# Converting Colors

CIELCh(81, 22.045, 63.456)

Have a look what the booklet for  
CIELCh(81, 22.045, 63.456) contains.

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# Color

**CIELCh(81, 22.037, 63.871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9C2A5
RGB	233, 194, 165
RGB Percent	91%, 76%, 65%
CMY	0.0872, 0.2401, 0.3538
CMYK	0.00, 0.17, 0.29, 0.09
HSL	26°, 60%, 78%
HSV	26°, 29%, 91%
XYZ	59.5355, 58.4711, 43.6377
YIQ	202.3550, 32.5530, -0.7510

# Conversions

## Conversions Part 2

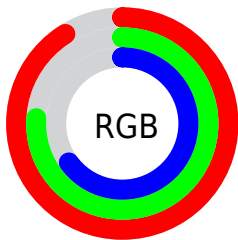
Format	Color
R <sub>Y</sub> B	233, 216, 165
Decimal	15319717
CIE Lab	81.00, 9.70, 19.78
CIE LCh	81, 22.037, 63.871
Yxy	58.4711, 0.3683, 0.3617
Android (android.graphics.Color)	4293509797 (0xFFE9C2A5)
YUV	202.3550, -18.4160, 26.8757
Hunter-Lab	76.4664, 5.1611, 19.6910

# Details

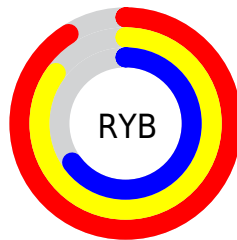
The CIELCh color  $81, 22.037, 63.871$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $80, 19.564, 251.319$ , and the grayscale version is  $81, 0.010, 296.813$ .

A 20% lighter version of the original color is  $98, 15.785, 103.626$ , and  $61, 21.921, 63.468$  is the 20% darker color. If you saturate the color by 10%, you get  $77, 30.500, 62.827$ , and if you desaturate by 10%, it is  $85, 14.060, 64.946$ .

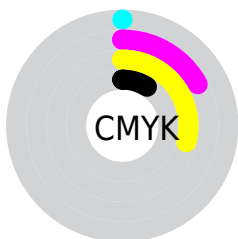
# Distribution



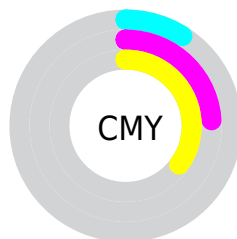
- Red (91%)
- Green (76%)
- Blue (65%)



- Red (91%)
- Yellow (85%)
- Blue (65%)



- Cyan (0%)
- Magenta (17%)
- Yellow (29%)
- Black (9%)



- Cyan (9%)
- Magenta (24%)
- Yellow (35%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 22.037, 63.871 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 81, 22.037, 63.871 by changing the saturation by 10% instead.



 81, 22.037, 63.871

 81, 22.037, 63.871

 100, 22.037,  
63.871

 71, 22.037, 63.871

 61, 22.037, 63.871

 51, 22.037, 63.871

 41, 22.037, 63.871

 31, 22.037, 63.871

 21, 22.037, 63.871

 11, 22.037, 63.871

 1, 22.037, 63.871

 0, 22.037, 63.871

81, 22.037, 63.871

81, 22.037, 63.871

77, 30.500, 62.827

85, 14.060, 64.946

74, 39.447, 61.800

89, 6.542, 65.999

70, 48.813, 60.787

93, 0.556, 248.020

67, 58.409, 59.743

96, 6.288, 238.989

64, 67.795, 58.541

98, 7.603, 199.012

61, 76.089, 56.908

58, 82.256, 54.539

58, 82.725, 54.364

# Harmonies

# Complementary

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



81, 22.037, 63.871



80, 19.564, 251.319

# Rectangle

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



81, 22.037, 63.871



81, 22.037, 113.871



81, 22.037, 243.871



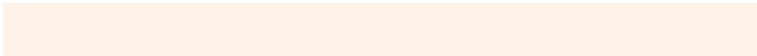
81, 22.037, 293.871

# Sweetspot

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



81, 22.037, 63.879



96, 6.883, 66.015



75, 32.629, 341.876



51, 4.804, 65.866



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



81, 22.037, 63.879



86, 28.960, 63.249



89, 32.092, 103.529



47, 4.066, 65.972



46, 68.208, 55.016



12, 22.378, 53.204



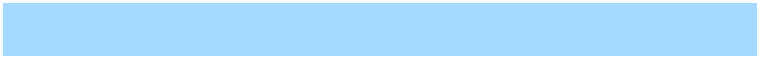


# Inverse Universe

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



80, 19.564, 251.319



84, 25.002, 252.506



71, 34.018, 290.396



47, 3.931, 248.270



43, 48.030, 275.781



11, 18.158, 267.019



# Previews

## White Background



This preview shows how the CIELCh color 81, 22.037, 63.871 looks on a white background.

## Color Contrast Check

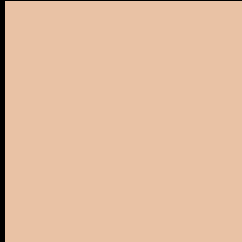
Large Text (above 18pt) WCAG AA × Fail

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 81, 22.037, 63.871 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

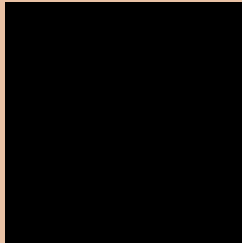
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 81, 22.037, 63.871

## Background



This preview shows how black text looks on a background with the CIELCh color 81, 22.037, 63.871.

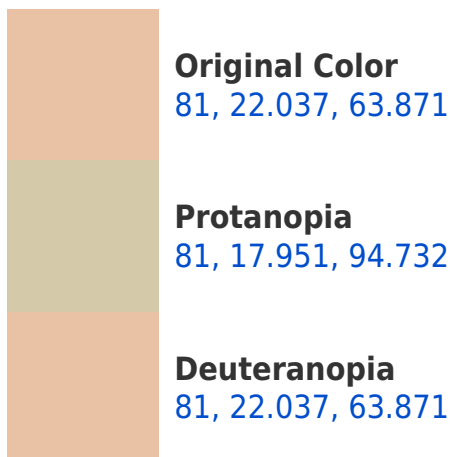


This preview shows how white text looks on a background with the CIELCh color 81, 22.037, 63.871.

# 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

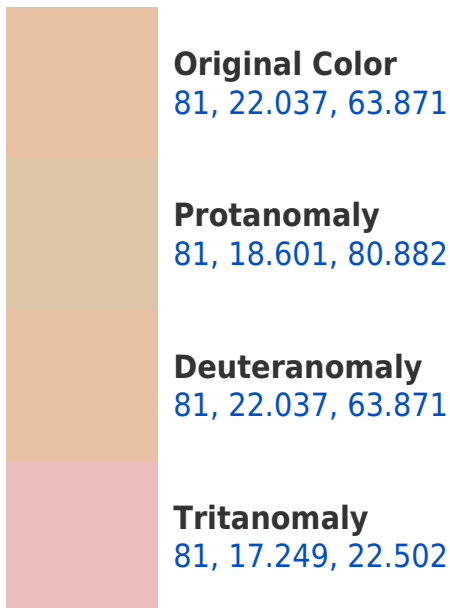




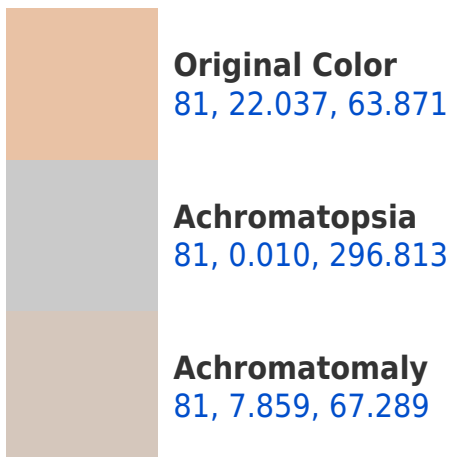
**Tritanopia**  
81, 19.894, 357.653



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 81, 22.037, 63.871 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(233, 194, 165)` looks like.

```
.text, #text, p{  
    color:rgb(233, 194, 165)  
}
```

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(233, 194, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 194, 165) }
```

## Border

The CSS property to change the border of an element to CIELCh 81, 22.037, 63.871 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(233, 194, 165) }
```

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

```
.border{ border-color:rgb(233, 194, 165) }
```

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

Here you see how a box with a 4 pixel rgb(233, 194, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 194, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 194, 165);  
box-shadow:4px 4px 4px 4px rgb(233, 194,  
165) }
```

# Background

The CSS property to change the background color of an element to CIELCh 81, 22.037, 63.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 194, 165) }
```

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

```
.background{ background-color: rgb(233,  
194, 165) }
```

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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