

# Converting Colors

CIELCh(64, 17.501, 22.002)

Have a look what the booklet for  
CIELCh(64, 17.501, 22.002) contains.

<b>CIELCh(64, 17.429, 22.894)</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(64, 17.429, 22.894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BC9190
RGB	188, 145, 144
RGB Percent	74%, 57%, 56%
CMY	0.2641, 0.4326, 0.4366
CMYK	0.00, 0.23, 0.23, 0.26
HSL	1°, 25%, 65%
HSV	1°, 23%, 74%
XYZ	35.7380, 32.8017, 30.7031
YIQ	157.7430, 25.9490, 8.8050

# Conversions

## Conversions Part 2

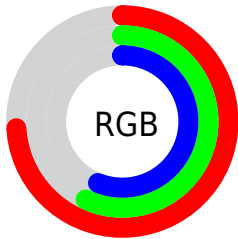
Format	Color
R <sub>Y</sub> B	188, 145, 144
Decimal	12358032
CIE Lab	64.00, 16.06, 6.78
CIE LCh	64, 17.429, 22.894
Yxy	32.8017, 0.3601, 0.3305
Android (android.graphics.Color)	4290548112 (0xFFBC9190)
YUV	157.7430, -6.7753, 26.5354
Hunter-Lab	57.2727, 11.1560, 8.3064

# Details

The CIELCh color **64, 17.429, 22.894** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **73, 14.901, 200.373**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 17.470, 22.435**, and **44, 17.601, 21.766** is the 20% darker color. If you saturate the color by 10%, you get **59, 25.830, 23.958**, and if you desaturate by 10%, it is **69, 9.604, 22.080**.

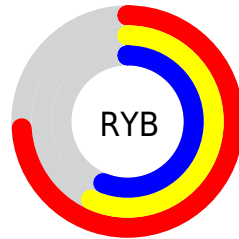
# Distribution



Red (74%)

Green (57%)

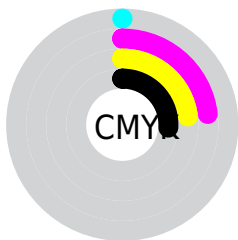
Blue (56%)



Red (74%)

Yellow (57%)

Blue (56%)

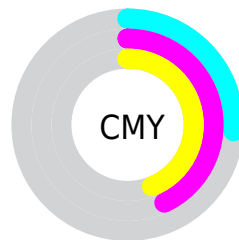


Cyan (0%)

Magenta (23%)

Yellow (23%)

Black (26%)



Cyan (26%)

Magenta (43%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 17.429, 22.894 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 64, 17.429, 22.894 by changing the saturation by 10% instead.



64, 17.429, 22.894

64, 17.429, 22.894

100, 17.429,  
22.894

54, 17.429, 22.894

84, 17.429, 22.894

44, 17.429, 22.894

94, 17.429, 22.894

34, 17.429, 22.894

24, 17.429, 22.894

14, 17.429, 22.894

4, 17.429, 22.894

0, 17.429, 22.894

64, 17.429, 22.894

64, 17.429, 22.894

59, 25.830, 23.958

69, 9.604, 22.080

54, 34.764, 25.342

74, 2.361, 21.303

50, 44.107, 27.149

80, 4.335, 201.183

46, 53.650, 29.470

85, 10.530,  
200.752

43, 63.080, 32.334

90, 16.277,  
200.456

41, 71.903, 35.566

40, 79.086, 38.514

96, 21.688,  
198.485

39, 82.729, 40.235

96, 21.788,  
198.075

# Harmonies

# Complementary

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



64, 17.429, 22.894



73, 14.901, 200.373

# Rectangle

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



64, 17.429, 22.894



64, 17.429, 72.894



64, 17.429, 202.894



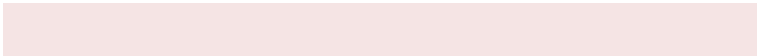
64, 17.429, 252.894

# Sweetspot

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



64, 17.427, 22.900



92, 6.057, 21.626



65, 28.893, 326.159



48, 3.943, 21.669



98, 0.011, 296.813



51, 0.007, 296.813



# Same Dimension

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



64, 17.427, 22.900



79, 26.348, 23.397



70, 15.159, 74.272



37, 4.004, 21.787



33, 72.490, 39.985



3, 12.058, 20.740





# Inverse Universe

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



73, 14.901, 200.373



92, 21.698, 200.190



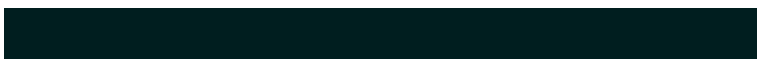
67, 14.335, 260.674



39, 3.775, 200.997



58, 33.972, 199.965



9, 11.307, 199.595



# Previews

## White Background



This preview shows how the CIELCh color 64, 17.429, 22.894 looks on a white background.

## Color Contrast Check

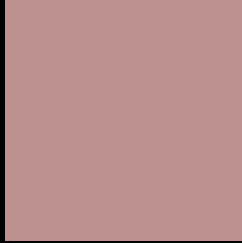
Large Text (above 18pt) WCAG AA × Fail

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 64, 17.429, 22.894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

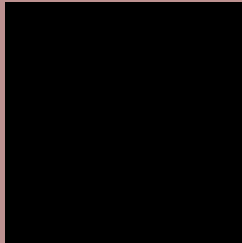
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 64, 17.429, 22.894**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 17.429, 22.894.



This preview shows how white text looks on a background with the CIELCh color 64, 17.429, 22.894.

# 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

64, 17.429, 22.894

### Protanopia

64, 3.847, 79.263

### Deuteranopia

64, 10.810, 41.197



**Tritanopia**  
64, 19.113, 2.874



# Trichromacy



**Original Color**  
64, 17.429, 22.894

**Protanomaly**  
64, 7.864, 36.374

**Deuteranomaly**  
64, 13.250, 32.573

**Tritanomaly**  
64, 18.229, 10.813

# Monochromacy



**Original Color**  
64, 17.429, 22.894

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
64, 5.897, 25.257

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 17.429, 22.894 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(188, 145, 144)` looks like.

```
.text, #text, p{  
    color:rgb(188, 145, 144)  
}
```

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(188, 145, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 145, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 17.429, 22.894 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(188, 145, 144) }
```

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

```
.border{ border-color:rgb(188, 145, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 145, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 145, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 145, 144);  
box-shadow:4px 4px 4px 4px rgb(188, 145,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 17.429, 22.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 145, 144) }
```

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

```
.background{ background-color: rgb(188,  
145, 144) }
```

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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