

# Converting Colors

CIELCh(68, 25.504, 36.127)

Have a look what the booklet for  
CIELCh(68, 25.504, 36.127) contains.

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# Color

**CIELCh(68, 25.473, 36.298)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3988C
RGB	211, 152, 140
RGB Percent	83%, 60%, 55%
CMY	0.1744, 0.4056, 0.4527
CMYK	0.00, 0.28, 0.34, 0.17
HSL	10°, 44%, 69%
HSV	10°, 34%, 83%
XYZ	42.5853, 37.9720, 29.7284
YIQ	168.2730, 39.0160, 8.7760

# Conversions

## Conversions Part 2

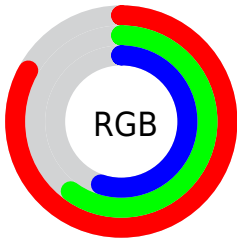
Format	Color
R <sub>Y</sub> B	211, 154, 140
Decimal	13867148
CIE Lab	68.00, 20.53, 15.08
CIE LCh	68, 25.473, 36.298
Yxy	37.9720, 0.3861, 0.3443
Android (android.graphics.Color)	4292057228 (0xFFD3988C)
YUV	168.2730, -13.9386, 37.4716
Hunter-Lab	61.6215, 15.5200, 14.5314

# Details

The CIELCh color **68, 25.473, 36.298** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **77, 20.008, 217.044**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 19.755, 40.542**, and **48, 25.453, 36.658** is the 20% darker color. If you saturate the color by 10%, you get **63, 34.416, 36.799**, and if you desaturate by 10%, it is **73, 17.179, 36.011**.

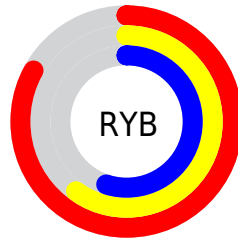
# Distribution



Red (83%)

Green (60%)

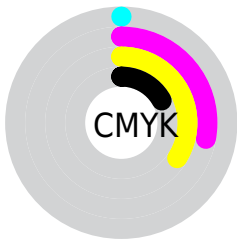
Blue (55%)



Red (83%)

Yellow (60%)

Blue (55%)

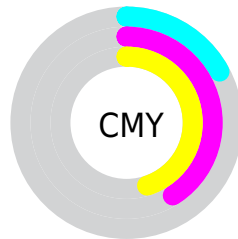


Cyan (0%)

Magenta (28%)

Yellow (34%)

Black (17%)



Cyan (17%)

Magenta (41%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 25.473, 36.298 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 68, 25.473, 36.298 by changing the saturation by 10% instead.



68, 25.473, 36.298

68, 25.473, 36.298

100, 25.473,  
36.298

58, 25.473, 36.298

88, 25.473, 36.298

48, 25.473, 36.298

98, 25.473, 36.298

38, 25.473, 36.298

28, 25.473, 36.298

18, 25.473, 36.298

8, 25.473, 36.298

0, 25.473, 36.298

68, 25.473, 36.298

68, 25.473, 36.298

63, 34.416, 36.799

73, 17.179, 36.011

59, 43.979, 37.542

78, 9.525, 35.864

55, 54.049, 38.563

83, 2.470, 35.698

52, 64.376, 39.837

88, 4.039, 216.168

49, 74.409, 41.185

93, 10.058,  
216.251

47, 82.935, 42.089

97, 14.835,  
198.517

46, 87.164, 42.441

# Harmonies

# Complementary

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



68, 25.473, 36.298



77, 20.008, 217.044

# Rectangle

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



68, 25.473, 36.298



68, 25.473, 86.298



68, 25.473, 216.298



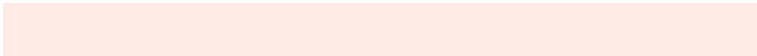
68, 25.473, 266.298

# Sweetspot

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



68, 25.471, 36.304



94, 8.000, 35.831



67, 41.051, 331.489



49, 5.490, 35.844



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



68, 25.471, 36.304



78, 36.314, 36.612



77, 27.119, 86.765



41, 3.853, 35.824



36, 73.420, 42.763



6, 18.087, 28.558



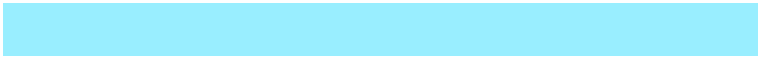


# Inverse Universe

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



77, 20.008, 217.044



89, 26.940, 217.509



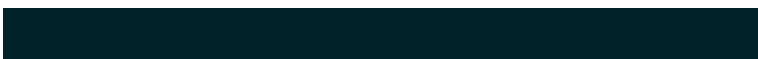
67, 26.928, 276.495



43, 3.629, 216.175



54, 31.899, 228.548



11, 12.257, 221.523



# Previews

## White Background



This preview shows how the CIELCh color 68, 25.473, 36.298 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 68, 25.473, 36.298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

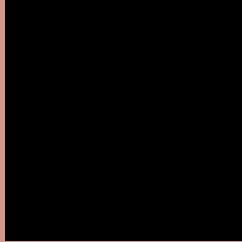
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 68, 25.473, 36.298

## Background



This preview shows how black text looks on a background with the CIELCh color 68, 25.473, 36.298.

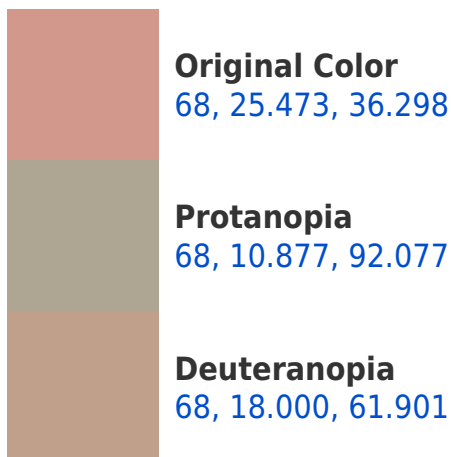



This preview shows how white text looks on a background with the CIELCh color 68, 25.473, 36.298.

# 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**  
68, 25.920, 8.730



# Trichromacy



**Original Color**  
68, 25.473, 36.298

**Protanomaly**  
68, 14.140, 61.041

**Deuteranomaly**  
68, 20.125, 49.771

**Tritanomaly**  
68, 24.956, 18.114

# Monochromacy



**Original Color**  
68, 25.473, 36.298

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
68, 8.519, 34.914

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 68, 25.473, 36.298 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(211, 152, 140)` looks like.

```
.text, #text, p{  
    color:rgb(211, 152, 140)  
}
```

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(211, 152, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 152, 140) }
```

## Border

The CSS property to change the border of an element to CIELCh 68, 25.473, 36.298 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(211, 152, 140) }
```

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

```
.border{ border-color:rgb(211, 152, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 152, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 152, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 152, 140);  
box-shadow:4px 4px 4px 4px rgb(211, 152,  
140) }
```

# Background

The CSS property to change the background color of an element to CIELCh 68, 25.473, 36.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 152, 140) }
```

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

```
.background{ background-color: rgb(211,  
152, 140) }
```

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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