

Converting Colors

CIELCh(68, 20.338, 93.962)

Have a look what the booklet for
CIELCh(68, 20.338, 93.962) contains.

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Color

CIELCh(68, 20.315, 93.979)

Conversions

Conversions Part 1

Format	Color
Hex	B1A581
RGB	177, 165, 129
RGB Percent	69%, 65%, 51%
CMY	0.3049, 0.3519, 0.4931
CMYK	0.00, 0.07, 0.27, 0.30
HSL	45°, 24%, 60%
HSV	45°, 27%, 70%
XYZ	35.6714, 37.9720, 26.3040
YIQ	164.4840, 18.7080, -8.6520

Conversions

Conversions Part 2

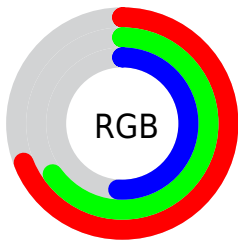
Format	Color
RYB	145, 177, 129
Decimal	11642241
CIELab	68.00, -1.41, 20.27
CIElCh	68, 20.315, 93.979
Yxy	37.9720, 0.3569, 0.3799
Android (android.graphics.Color)	4289832321 (0xFFB1A581)
YUV	164.4840, -17.4936, 10.9765
Hunter-Lab	61.6215, -4.5076, 17.8262

Details

The CIELCh color **68, 20.315, 93.979** is a light color, and the websafe version is hex **999966**. A complement of this color would be **59, 20.695, 281.055**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 20.357, 94.236**, and **48, 20.488, 93.355** is the 20% darker color. If you saturate the color by 10%, you get **66, 27.914, 92.725**, and if you desaturate by 10%, it is **70, 12.748, 95.209**.

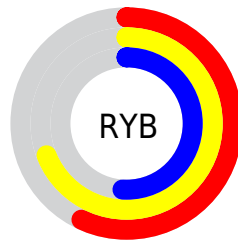
Distribution



Red (69%)

Green (65%)

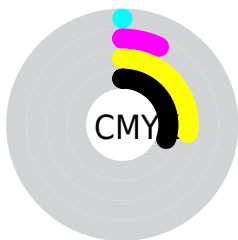
Blue (51%)



Red (57%)

Yellow (69%)

Blue (51%)

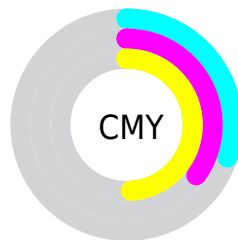


Cyan (0%)

Magenta (7%)

Yellow (27%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 20.315, 93.979 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, 20.315, 93.979 by changing the saturation by 10% instead.

■ 68, 20.315, 93.979

■ 68, 20.315, 93.979

■ 100, 20.315,
93.979

■ 58, 20.315, 93.979

■ 88, 20.315, 93.979

■ 48, 20.315, 93.979

■ 98, 20.315, 93.979

■ 38, 20.315, 93.979

■ 28, 20.315, 93.979

■ 18, 20.315, 93.979

■ 8, 20.315, 93.979

■ 0, 20.315, 93.979

■ 68, 20.315, 93.979

■ 68, 20.315, 93.979

■ 66, 27.914, 92.725

■ 70, 12.748, 95.209

65, 35.464, 91.436

71, 5.251, 96.382

64, 42.822, 90.116

73, 2.156, 277.643

62, 49.739, 88.756

74, 9.465, 278.687

61, 55.807, 87.329

76, 16.674,
279.735

60, 60.445, 85.773

78, 23.786,
280.739

59, 63.157, 84.004

80, 30.806,
281.693

58, 63.833, 83.485

81, 29.522,
278.285

82, 27.523,
273.905

Harmonies

Complementary

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



68, 20.315, 93.979



59, 20.695, 281.055

Rectangle

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



68, 20.315, 93.979



68, 20.315, 143.979



68, 20.315, 273.979



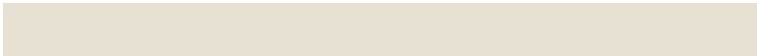
68, 20.315, 323.979

Sweetspot

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



68, 20.316, 93.985



90, 7.318, 96.263



59, 20.362, 2.424



47, 5.202, 96.093



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



68, 20.316, 93.985



85, 30.612, 93.173



70, 26.358, 118.227



37, 4.227, 96.126



51, 57.322, 83.746



6, 9.241, 90.233

Inverse Universe

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



59, 20.695, 281.055



71, 31.366, 282.224



57, 27.881, 301.874



35, 4.259, 278.397



23, 74.274, 300.156



2, 10.867, 280.820

Previews

White Background



This preview shows how the CIELCh color 68, 20.315, 93.979 looks on a white background.

Color Contrast Check

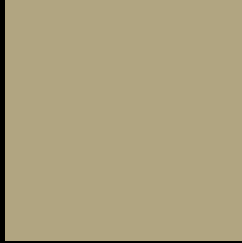
Large Text (above 18pt) WCAG AA × Fail

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 68, 20.315, 93.979 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, 20.315, 93.979

Background



This preview shows how black text looks on a background with the CIELCh color 68, 20.315, 93.979.



This preview shows how white text looks on a background with the CIELCh color 68, 20.315, 93.979.

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

68, 20.315, 93.979

Protanopia

68, 20.315, 93.979

Deuteranopia

68, 21.835, 66.391



Tritanopia
68, 11.311, 341.259

Trichromacy



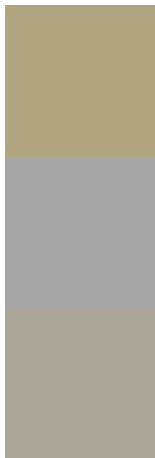
Original Color
68, 20.315, 93.979

Protanomaly
68, 20.315, 93.979

Deuteranomaly
68, 20.516, 75.132

Tritanomaly
68, 7.949, 40.108

Monochromacy



Original Color
68, 20.315, 93.979

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 7.295, 97.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 20.315, 93.979 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(177, 165, 129)` looks like.

```
.text, #text, p{  
    color:rgb(177, 165, 129)  
}
```

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(177, 165, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 165, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 20.315, 93.979 is called "border". The border property can be set on classes, ids or directly on the HTML element.

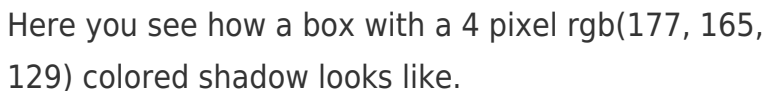
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 165, 129) }
```

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

```
.border{ border-color:rgb(177, 165, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 165, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 165, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 165, 129); box-shadow:4px 4px 4px 4px rgb(177, 165, 129) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 20.315, 93.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 165, 129) }
```

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

```
.background{ background-color: rgb(177,  
165, 129) }
```

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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