

Converting Colors

CIELCh(68, 21.101, 95.888)

Have a look what the booklet for
CIELCh(68, 21.101, 95.888) contains.

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Color

CIELCh(68, 21.165, 96.740)

Conversions

Conversions Part 1

Format	Color
Hex	B0A680
RGB	176, 166, 128
RGB Percent	69%, 65%, 50%
CMY	0.3105, 0.3497, 0.4987
CMYK	0.00, 0.06, 0.27, 0.31
HSL	48°, 23%, 60%
HSV	48°, 27%, 69%
XYZ	35.3535, 37.9720, 25.8301
YIQ	164.6580, 18.1580, -9.6980

Conversions

Conversions Part 2

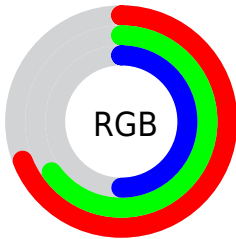
Format	Color
RYB	141, 176, 128
Decimal	11576960
CIELab	68.00, -2.48, 21.02
CIELCh	68, 21.165, 96.740
Yxy	37.9720, 0.3565, 0.3830
Android (android.graphics.Color)	4289767040 (0xFFB0A680)
YUV	164.6580, -18.0724, 9.9469
Hunter-Lab	61.6215, -5.4283, 18.2823

Details

The CIELCh color **68, 21.165, 96.740** is a light color, and the websafe version is hex **999966**. A complement of this color would be **58, 21.786, 283.645**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 21.173, 96.852**, and **48, 20.807, 96.092** is the 20% darker color. If you saturate the color by 10%, you get **67, 28.951, 95.536**, and if you desaturate by 10%, it is **69, 13.369, 97.926**.

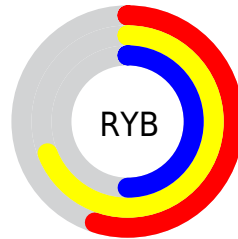
Distribution



Red (69%)

Green (65%)

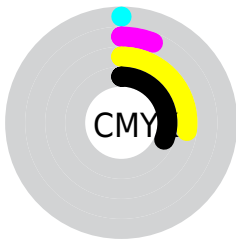
Blue (50%)



Red (55%)

Yellow (69%)

Blue (50%)

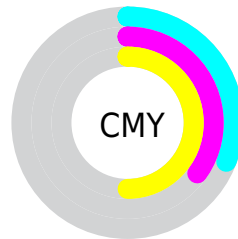


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (31%)



Cyan (31%)

Magenta (35%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 21.165, 96.740 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, 21.165, 96.740 by changing the saturation by 10% instead.

■ 68, 21.165, 96.740

■ 68, 21.165, 96.740

■ 100, 21.165,
96.740

■ 58, 21.165, 96.740

■ 88, 21.165, 96.740

■ 48, 21.165, 96.740

■ 98, 21.165, 96.740

■ 38, 21.165, 96.740

■ 28, 21.165, 96.740

■ 18, 21.165, 96.740

■ 8, 21.165, 96.740

■ 0, 21.165, 96.740

■ 68, 21.165, 96.740

■ 68, 21.165, 96.740

■ 67, 28.951, 95.536

■ 69, 13.369, 97.926

65, 36.634, 94.306

71, 5.610, 99.063

64, 44.056, 93.059

72, 2.084, 280.274

63, 50.953, 91.793

74, 9.700, 281.290

62, 56.907, 90.494

75, 17.233,
282.309

61, 61.352, 89.124

77, 24.682,
283.284

60, 63.867, 87.627

60, 64.445, 87.221

78, 32.048,
284.213

79, 32.318,
282.284

80, 30.525,
279.222

Harmonies

Complementary

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



68, 21.165, 96.740



58, 21.786, 283.645

Rectangle

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



68, 21.165, 96.740



68, 21.165, 146.740



68, 21.165, 276.740



68, 21.165, 326.740

Sweetspot

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



68, 21.166, 96.745



90, 7.647, 98.969



58, 20.193, 4.912



47, 5.433, 98.804



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, 21.166, 96.745



86, 31.812, 95.988



70, 26.518, 119.569



36, 4.311, 98.841



52, 57.521, 87.444



6, 8.403, 94.968

Inverse Universe

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



58, 21.786, 283.645



70, 33.021, 284.749



56, 28.003, 303.030



34, 4.357, 281.026



21, 77.130, 301.728



1, 9.495, 282.158

Previews

White Background



This preview shows how the CIELCh color 68, 21.165, 96.740 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, 21.165, 96.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

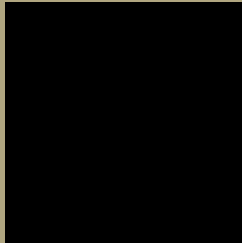
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

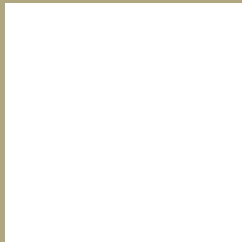
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 21.165, 96.740

Background



This preview shows how black text looks on a background with the CIELCh color 68, 21.165, 96.740.



This preview shows how white text looks on a background with the CIELCh color 68, 21.165, 96.740.

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, 21.165, 96.740

Protanopia

68, 20.844, 94.262

Deuteranopia

68, 22.265, 67.232



Tritanopia
68, 10.372, 340.861

Trichromacy



Original Color
68, 21.165, 96.740

Protanomaly
68, 20.844, 94.262

Deuteranomaly
68, 20.754, 76.818

Tritanomaly
68, 7.436, 46.086

Monochromacy



Original Color
68, 21.165, 96.740

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 7.767, 100.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 21.165, 96.740 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(176, 166, 128)` looks like.

```
.text, #text, p{  
    color:rgb(176, 166, 128)  
}
```

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(176, 166, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 166, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 21.165, 96.740 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(176, 166, 128) }
```

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

```
.border{ border-color:rgb(176, 166, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 166, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 166, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 166, 128);  
box-shadow:4px 4px 4px 4px rgb(176, 166,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 21.165, 96.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 166, 128) }
```

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

```
.background{ background-color: rgb(176,  
166, 128) }
```

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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