

Converting Colors

CIELCh(65, 21.837, 63.356)

Have a look what the booklet for
CIELCh(65, 21.837, 63.356) contains.

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Color

CIELCh(65, 21.968, 64.581)

Conversions

Conversions Part 1

Format	Color
Hex	BB977B
RGB	187, 151, 123
RGB Percent	73%, 59%, 48%
CMY	0.2674, 0.4085, 0.5183
CMYK	0.00, 0.19, 0.34, 0.27
HSL	26°, 32%, 61%
HSV	26°, 34%, 73%
XYZ	35.0542, 34.0472, 23.4094
YIQ	158.5720, 30.4440, -1.0760

Conversions

Conversions Part 2

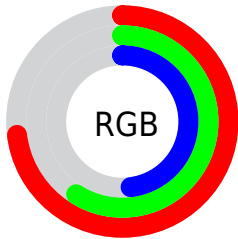
Format	Color
RYB	187, 173, 123
Decimal	12294011
CIELab	65.00, 9.43, 19.84
CIElCh	65, 21.968, 64.581
Yxy	34.0472, 0.3789, 0.3680
Android (android.graphics.Color)	4290484091 (0xFFBB977B)
YUV	158.5720, -17.5370, 24.9314
Hunter-Lab	58.3500, 5.1230, 17.0584

Details

The CIELCh color **65, 21.968, 64.581** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **64, 19.221, 253.595**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 21.763, 64.003**, and **45, 22.137, 63.960** is the 20% darker color. If you saturate the color by 10%, you get **62, 29.219, 63.519**, and if you desaturate by 10%, it is **68, 15.107, 65.672**.

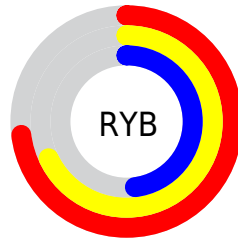
Distribution



Red (73%)

Green (59%)

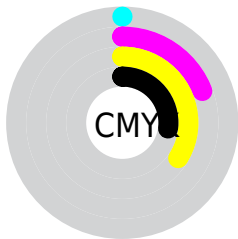
Blue (48%)



Red (73%)

Yellow (68%)

Blue (48%)

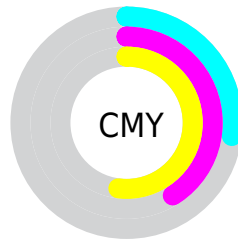


Cyan (0%)

Magenta (19%)

Yellow (34%)

Black (27%)



Cyan (27%)

Magenta (41%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 21.968, 64.581 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 65, 21.968, 64.581 by changing the saturation by 10% instead.

■ 65, 21.968, 64.581

■ 65, 21.968, 64.581

■ 100, 21.968,
64.581

■ 55, 21.968, 64.581

■ 85, 21.968, 64.581

■ 45, 21.968, 64.581

■ 95, 21.968, 64.581

■ 35, 21.968, 64.581

■ 25, 21.968, 64.581

■ 15, 21.968, 64.581

■ 5, 21.968, 64.581

■ 0, 21.968, 64.581

■ 65, 21.968, 64.581

■ 65, 21.968, 64.581

■ 62, 29.219, 63.519

■ 68, 15.107, 65.672

59, 36.839, 62.466

71, 8.626, 66.756

56, 44.735, 61.406

74, 2.498, 67.748

54, 52.680, 60.269

78, 3.309, 249.122

51, 60.186, 58.888

81, 8.831, 250.126

49, 66.374, 56.932

84, 14.099,
251.163

48, 69.468, 55.715

88, 19.145,
252.178

90, 18.362,
233.446

93, 19.380,
213.189

Harmonies

Complementary

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



65, 21.968, 64.581



64, 19.221, 253.595

Rectangle

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



65, 21.968, 64.581



65, 21.968, 114.581



65, 21.968, 244.581



65, 21.968, 294.581

Sweetspot

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



65, 21.968, 64.588



92, 7.390, 67.188



59, 31.656, 343.205



49, 5.104, 67.040



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



65, 21.968, 64.588



80, 33.188, 63.793



73, 31.901, 103.868



38, 3.411, 67.271



41, 61.182, 56.231



5, 10.035, 52.865

Inverse Universe

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



64, 19.221, 253.595



78, 28.086, 255.224



55, 34.311, 291.882



38, 3.307, 249.559



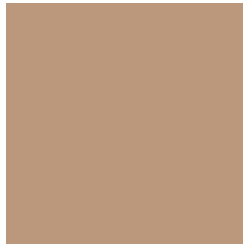
37, 44.034, 276.594



5, 10.854, 262.738

Previews

White Background



This preview shows how the CIELCh color 65, 21.968, 64.581 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 65, 21.968, 64.581 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 65, 21.968, 64.581

Background



This preview shows how black text looks on a background with the CIELCh color 65, 21.968, 64.581.



This preview shows how white text looks on a background with the CIELCh color 65, 21.968, 64.581.

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

65, 21.968, 64.581

Protanopia

65, 18.136, 95.069

Deuteranopia

65, 21.464, 67.904



Tritanopia
65, 18.287, 1.927

Trichromacy



Original Color
65, 21.968, 64.581

Protanomaly
65, 18.642, 81.735

Deuteranomaly
65, 21.757, 67.071

Tritanomaly
65, 16.695, 26.611

Monochromacy



Original Color
65, 21.968, 64.581

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 7.579, 66.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 21.968, 64.581 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(187, 151, 123)` looks like.

```
.text, #text, p{  
    color:rgb(187, 151, 123)  
}
```

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(187, 151, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 151, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 21.968, 64.581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

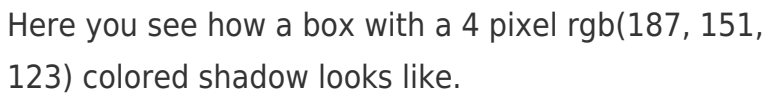
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 151, 123) }
```

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

```
.border{ border-color:rgb(187, 151, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 151, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 151, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 151, 123); box-shadow:4px 4px 4px 4px rgb(187, 151, 123) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 21.968, 64.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 151, 123) }
```

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

```
.background{ background-color: rgb(187,  
151, 123) }
```

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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