

Converting Colors

CIELCh(68, 23.955, 95.144)

Have a look what the booklet for
CIELCh(68, 23.955, 95.144) contains.

CIELCh(68, 23.587, 94.446)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 23.587, 94.446)

Conversions

Conversions Part 1

Format	Color
Hex	B2A57B
RGB	178, 165, 123
RGB Percent	70%, 65%, 48%
CMY	0.3006, 0.3516, 0.5164
CMYK	0.00, 0.07, 0.31, 0.30
HSL	46°, 26%, 59%
HSV	46°, 31%, 70%
XYZ	35.5473, 37.9720, 24.2983
YIQ	164.0990, 21.2300, -10.3060

Conversions

Conversions Part 2

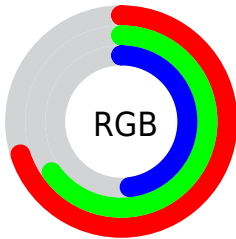
Format	Color
RYB	140, 178, 123
Decimal	11707771
CIELab	68.00, -1.83, 23.52
CIELCh	68, 23.587, 94.446
Yxy	37.9720, 0.3634, 0.3882
Android (android.graphics.Color)	4289897851 (0xFFB2A57B)
YUV	164.0990, -20.2618, 12.1912
Hunter-Lab	61.6215, -4.8672, 19.7560

Details

The CIELCh color **68, 23.587, 94.446** is a light color, and the websafe version is hex **999966**. A complement of this color would be **57, 24.203, 282.577**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 23.471, 94.805**, and **48, 23.392, 93.432** is the 20% darker color. If you saturate the color by 10%, you get **67, 31.288, 93.196**, and if you desaturate by 10%, it is **69, 15.880, 95.676**.

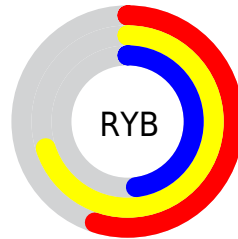
Distribution



Red (70%)

Green (65%)

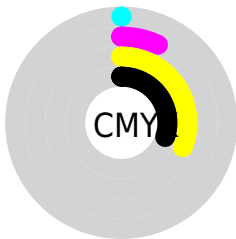
Blue (48%)



Red (55%)

Yellow (70%)

Blue (48%)

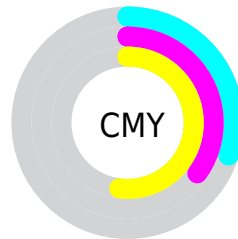


Cyan (0%)

Magenta (7%)

Yellow (31%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 23.587, 94.446 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, 23.587, 94.446 by changing the saturation by 10% instead.

■ 68, 23.587, 94.446

■ 68, 23.587, 94.446

■ 100, 23.587,
94.446

■ 58, 23.587, 94.446

■ 88, 23.587, 94.446

■ 48, 23.587, 94.446

■ 98, 23.587, 94.446

■ 38, 23.587, 94.446

■ 28, 23.587, 94.446

■ 18, 23.587, 94.446

■ 8, 23.587, 94.446

■ 0, 23.587, 94.446

■ 68, 23.587, 94.446

■ 68, 23.587, 94.446

■ 67, 31.288, 93.196

■ 69, 15.880, 95.676

65, 38.874, 91.914

71, 8.219, 96.860

64, 46.164, 90.605

73, 0.634, 97.776

63, 52.848, 89.257

74, 6.861, 279.170

61, 58.443, 87.835

76, 14.262,
280.222

60, 62.331, 86.274

77, 21.568,
281.235

59, 64.410, 84.705

79, 28.783,
282.199

81, 30.247,
280.378

82, 28.266,
276.457

Harmonies

Complementary

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



68, 23.587, 94.446



57, 24.203, 282.577

Rectangle

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



68, 23.587, 94.446



68, 23.587, 144.446



68, 23.587, 274.446



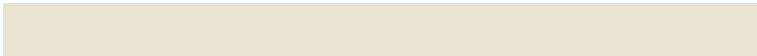
68, 23.587, 324.446

Sweetspot

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



68, 23.588, 94.451



90, 8.433, 97.055



58, 23.462, 2.949



48, 5.913, 96.889



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 23.588, 94.451



85, 35.091, 93.603



70, 30.105, 117.991



37, 4.288, 97.036



51, 57.586, 84.959



6, 9.402, 91.566

Inverse Universe

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



57, 24.203, 282.577



69, 36.294, 283.868



55, 32.131, 302.207



35, 4.325, 279.282



22, 75.583, 300.712



2, 10.991, 281.434

Previews

White Background



This preview shows how the CIELCh color 68, 23.587, 94.446 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, 23.587, 94.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

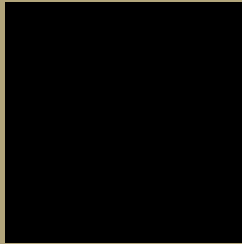
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 23.587, 94.446

Background



This preview shows how black text looks on a background with the CIELCh color 68, 23.587, 94.446.



This preview shows how white text looks on a background with the CIELCh color 68, 23.587, 94.446.

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, 23.587, 94.446

Protanopia

68, 23.993, 95.661

Deuteranopia

68, 24.308, 69.494



Tritanopia
68, 11.602, 345.878

Trichromacy



Original Color
68, 23.587, 94.446

Protanomaly
68, 23.993, 95.661

Deuteranomaly
68, 23.612, 78.055

Tritanomaly
68, 9.152, 44.750

Monochromacy



Original Color
68, 23.587, 94.446

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 8.463, 95.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 23.587, 94.446 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(178, 165, 123)` looks like.

```
.text, #text, p{  
    color:rgb(178, 165, 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(178, 165, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 165, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 23.587, 94.446 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(178, 165, 123) }
```

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

```
.border{ border-color:rgb(178, 165, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 165, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 165, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 165, 123);  
box-shadow:4px 4px 4px 4px rgb(178, 165,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 23.587, 94.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 165, 123) }
```

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

```
.background{ background-color: rgb(178,  
165, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor