

Converting Colors

CIELCh(70, 18.516, 95.019)

Have a look what the booklet for
CIELCh(70, 18.516, 95.019) contains.

CIELCh(70, 18.404, 95.575)	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(70, 18.404, 95.575)

Conversions

Conversions Part 1

Format	Color
Hex	B5AB8A
RGB	181, 171, 138
RGB Percent	71%, 67%, 54%
CMY	0.2905, 0.3297, 0.4591
CMYK	0.00, 0.06, 0.24, 0.29
HSL	46°, 22%, 63%
HSV	46°, 24%, 71%
XYZ	38.1734, 40.7494, 29.8737
YIQ	170.2280, 16.5530, -8.1430

Conversions

Conversions Part 2

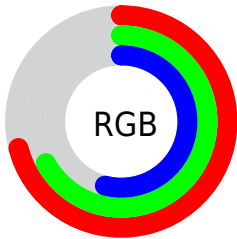
Format	Color
RYB	151, 181, 138
Decimal	11905930
CIELab	70.00, -1.79, 18.32
CIElCh	70, 18.404, 95.575
Yxy	40.7494, 0.3509, 0.3745
Android (android.graphics.Color)	4290096010 (0xFFB5AB8A)
YUV	170.2280, -15.8884, 9.4470
Hunter-Lab	63.8353, -4.9691, 16.9381

Details

The CIELCh color **70, 18.404, 95.575** is a light color, and the websafe version is hex **999966**. A complement of this color would be **62, 18.772, 281.613**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 18.060, 95.314**, and **50, 18.414, 95.274** is the 20% darker color. If you saturate the color by 10%, you get **69, 26.234, 94.350**, and if you desaturate by 10%, it is **72, 10.608, 96.776**.

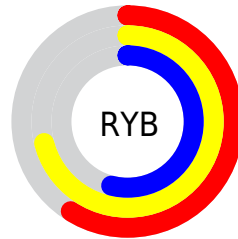
Distribution



Red (71%)

Green (67%)

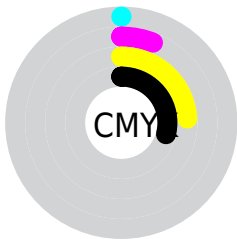
Blue (54%)



Red (59%)

Yellow (71%)

Blue (54%)

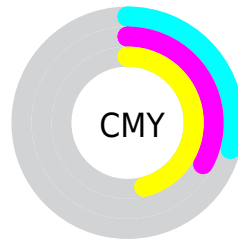


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (29%)



Cyan (29%)

Magenta (33%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 18.404, 95.575 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 70, 18.404, 95.575 by changing the saturation by 10% instead.

■ 70, 18.404, 95.575

■ 70, 18.404, 95.575

■ 100, 18.404,
95.575

■ 60, 18.404, 95.575

■ 90, 18.404, 95.575

■ 50, 18.404, 95.575

■ 40, 18.404, 95.575

■ 30, 18.404, 95.575

■ 20, 18.404, 95.575

■ 10, 18.404, 95.575

■ 0, 18.404, 95.575

■ 70, 18.404, 95.575

■ 70, 18.404, 95.575

■ 69, 26.234, 94.350

■ 72, 10.608, 96.776

67, 34.024, 93.091

73, 2.879, 97.899

66, 41.649, 91.806

75, 4.765, 279.113

64, 48.889, 90.494

76, 12.315,
280.168

63, 55.379, 89.138

78, 19.771,
281.192

62, 60.580, 87.697

61, 63.865, 86.095

80, 27.135,
282.169

60, 65.189, 85.034

81, 29.463,
280.698

82, 27.482,
276.705

83, 25.653,
272.152

Harmonies

Complementary

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



70, 18.404, 95.575



62, 18.772, 281.613

Rectangle

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



70, 18.404, 95.575



70, 18.404, 145.575



70, 18.404, 275.575



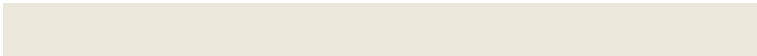
70, 18.404, 325.575

Sweetspot

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



70, 18.405, 95.581



92, 6.635, 97.540



62, 17.953, 3.217



48, 4.309, 97.475



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 18.405, 95.581



87, 27.798, 94.881



72, 23.608, 119.107



37, 4.305, 97.292



51, 57.667, 85.304



6, 9.449, 91.944

Inverse Universe

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



62, 18.772, 281.613



75, 28.514, 282.580



60, 24.764, 302.177



35, 4.344, 279.531



22, 75.953, 300.866



2, 11.027, 281.608

Previews

White Background



This preview shows how the CIELCh color 70, 18.404, 95.575 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 70, 18.404, 95.575 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

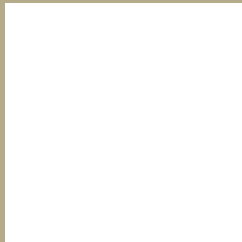
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 18.404, 95.575

Background



This preview shows how black text looks on a background with the CIELCh color 70, 18.404, 95.575.



This preview shows how white text looks on a background with the CIELCh color 70, 18.404, 95.575.

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

70, 18.404, 95.575

Protanopia

70, 18.404, 95.575

Deuteranopia

70, 20.031, 62.719



Tritanopia
70, 10.665, 338.557

Trichromacy



Original Color
70, 18.404, 95.575

Protanomaly
70, 18.404, 95.575

Deuteranomaly
70, 18.483, 74.925

Tritanomaly
70, 6.944, 38.154

Monochromacy



Original Color
70, 18.404, 95.575

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 6.722, 96.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 18.404, 95.575 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(181, 171, 138)` looks like.

```
.text, #text, p{  
    color:rgb(181, 171, 138)  
}
```

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(181, 171, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 171, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 18.404, 95.575 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(181, 171, 138) }
```

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

```
.border{ border-color:rgb(181, 171, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 171, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 171, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 171, 138);  
box-shadow:4px 4px 4px 4px rgb(181, 171,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 18.404, 95.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 171, 138) }
```

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

```
.background{ background-color: rgb(181,  
171, 138) }
```

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