

Converting Colors

CIELCh(70, 2.900, 89.618)

Have a look what the booklet for
CIELCh(70, 2.900, 89.618) contains.

CIELCh(70, 2.821, 94.204)	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, 2.821, 94.204)

Conversions

Conversions Part 1

Format	Color
Hex	ADABA6
RGB	173, 171, 166
RGB Percent	68%, 67%, 65%
CMY	0.3217, 0.3295, 0.3491
CMYK	0.00, 0.01, 0.04, 0.32
HSL	43°, 4%, 66%
HSV	43°, 4%, 68%
XYZ	38.6663, 40.7494, 41.8912
YIQ	171.0280, 2.7970, -1.1310

Conversions

Conversions Part 2

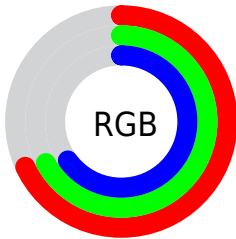
Format	Color
RYB	169, 173, 166
Decimal	11381670
CIELab	70.00, -0.21, 2.81
CIELCh	70, 2.821, 94.204
Yxy	40.7494, 0.3187, 0.3359
Android (android.graphics.Color)	4289571750 (0xFFADABA6)
YUV	171.0280, -2.4788, 1.7294
Hunter-Lab	63.8353, -3.5907, 5.7763

Details

The CIELCh color $70, 2.821, 94.204$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 2.841, 275.330$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 2.675, 94.294$, and $50, 3.017, 94.038$ is the 20% darker color. If you saturate the color by 10%, you get $68, 9.894, 93.077$, and if you desaturate by 10%, it is $72, 4.138, 275.511$.

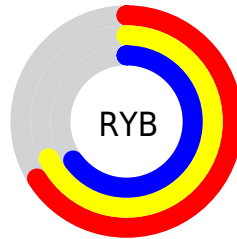
Distribution



Red (68%)

Green (67%)

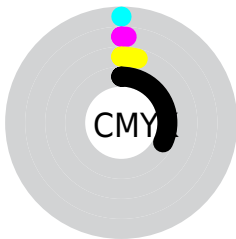
Blue (65%)



Red (66%)

Yellow (68%)

Blue (65%)

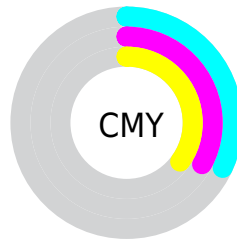


Cyan (0%)

Magenta (1%)

Yellow (4%)

Black (32%)



Cyan (32%)

Magenta (33%)


Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.821, 94.204 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, 2.821, 94.204 by changing the saturation by 10% instead.

 70, 2.821, 94.204  70, 2.821, 94.204

 100, 2.821, 94.204  60, 2.821, 94.204

 90, 2.821, 94.204  50, 2.821, 94.204

 40, 2.821, 94.204


 30, 2.821, 94.204

 20, 2.821, 94.204

 10, 2.821, 94.204

 0, 2.821, 94.204

 70, 2.821, 94.204  70, 2.821, 94.204

 68, 9.894, 93.077  72, 4.138, 275.511

67, 17.069, 91.837

74, 10.985,
276.597

65, 24.320, 90.555

75, 17.723,
277.655

63, 31.594, 89.236

62, 38.787, 87.880

77, 24.357,
278.666

60, 45.705, 86.476

79, 30.894,
279.627

59, 52.018, 84.994

57, 57.209, 83.368

81, 29.874,
276.002

56, 60.631, 81.482

82, 27.748,
270.983

83, 25.862,
265.235

84, 24.268,
258.714

Harmonies

Complementary

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



70, 2.821, 94.204



69, 2.841, 275.330

Rectangle

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



70, 2.821, 94.204



70, 2.821, 144.204



70, 2.821, 274.204



70, 2.821, 324.204

Sweetspot

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



70, 2.822, 94.237



89, 0.852, 94.393



69, 2.909, 356.180



47, 0.484, 94.384



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



70, 2.822, 94.237



88, 4.315, 94.127



70, 3.853, 117.729



36, 2.378, 94.073



48, 56.090, 80.581



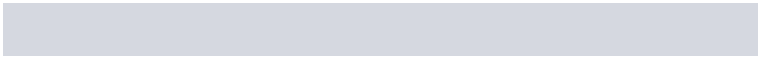
5, 7.645, 87.769

Inverse Universe

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



69, 2.841, 275.330



86, 4.339, 275.446



68, 3.900, 298.264



35, 2.391, 275.504



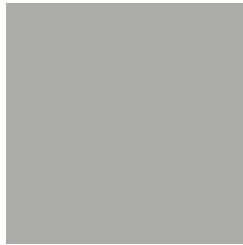
23, 69.791, 298.522



2, 8.871, 278.371

Previews

White Background



This preview shows how the CIELCh color 70, 2.821, 94.204 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 CIE LCh color 70, 2.821, 94.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

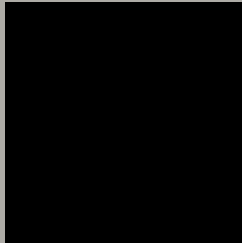
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

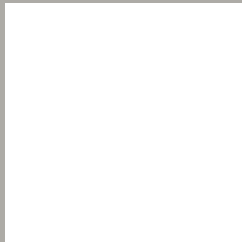
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.821, 94.204

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.821, 94.204.



This preview shows how white text looks on a background with the CIELCh color 70, 2.821, 94.204.

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, 2.821, 94.204

Protanopia

70, 2.885, 68.475

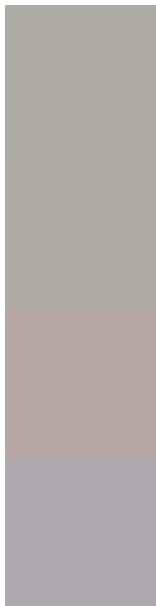
Deuteranopia

70, 9.334, 13.507



Tritanopia
70, 7.492, 308.026

Trichromacy



Original Color
70, 2.821, 94.204

Protanomaly
70, 2.649, 74.747

Deuteranomaly
70, 6.148, 19.868

Tritanomaly
70, 3.632, 314.764

Monochromacy



Original Color
70, 2.821, 94.204

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.145, 90.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 2.821, 94.204 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(173, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(173, 171, 166)  
}
```

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(173, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 171, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 2.821, 94.204 is called "border". The border property can be set on classes, ids or directly on the HTML element.

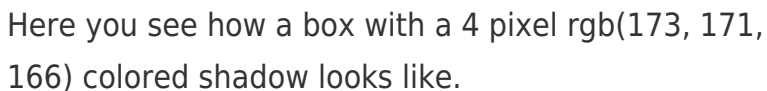
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 171, 166) }
```

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

```
.border{ border-color:rgb(173, 171, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 171, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 171, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 171, 166); box-shadow:4px 4px 4px 4px rgb(173, 171, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 2.821, 94.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 171, 166) }
```

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

```
.background{ background-color: rgb(173,  
171, 166) }
```

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