

Converting Colors

CIELCh(70, 3.183, 109.916)

Have a look what the booklet for
CIELCh(70, 3.183, 109.916) contains.

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Color

CIELCh(70, 2.724, 109.882)

Conversions

Conversions Part 1

Format	Color
Hex	ABABA6
RGB	171, 171, 166
RGB Percent	67%, 67%, 65%
CMY	0.3278, 0.3278, 0.3474
CMYK	0.00, 0.00, 0.03, 0.33
HSL	60°, 3%, 66%
HSV	60°, 3%, 67%
XYZ	38.4414, 40.7494, 42.1091
YIQ	170.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

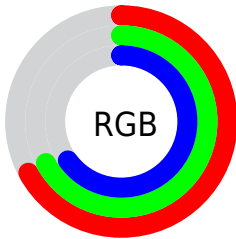
Format	Color
RYB	166, 171, 166
Decimal	11250598
CIELab	70.00, -0.93, 2.56
CIELCh	70, 2.724, 109.882
Yxy	40.7494, 0.3169, 0.3359
Android (android.graphics.Color)	4289440678 (0xFFABABA6)
YUV	170.4300, -2.1840, 0.4999
Hunter-Lab	63.8353, -4.2195, 5.5739

Details

The CIELCh color $70, 2.724, 109.882$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 2.759, 290.502$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 2.584, 109.939$, and $50, 2.912, 109.781$ is the 20% darker color. If you saturate the color by 10%, you get $70, 12.067, 108.974$, and if you desaturate by 10%, it is $70, 6.643, 290.868$.

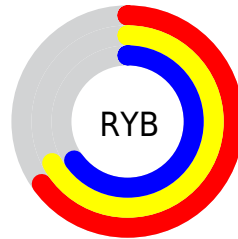
Distribution



Red (67%)

Green (67%)

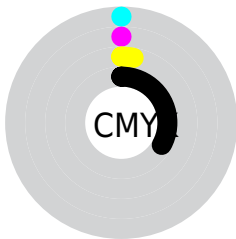
Blue (65%)



Red (65%)

Yellow (67%)

Blue (65%)

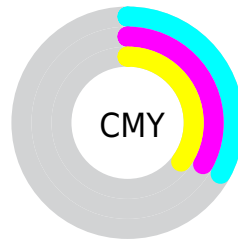


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 2.724, 109.882 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, 2.724, 109.882 by changing the saturation by 10% instead.

■ 70, 2.724, 109.882

■ 70, 2.724, 109.882

■ 100, 2.724,
109.882

■ 60, 2.724, 109.882

■ 90, 2.724, 109.882

■ 50, 2.724, 109.882

■ 40, 2.724, 109.882

■ 30, 2.724, 109.882

■ 20, 2.724, 109.882

■ 10, 2.724, 109.882

■ 0, 2.724, 109.882

■ 70, 2.724, 109.882

■ 70, 2.724, 109.882

■ 70, 12.067,

■ 70, 6.643, 290.868

108.974

71, 16.008,
291.767

69, 21.333,
108.021

72, 25.344,
292.636

69, 30.449,
107.075

72, 34.637,
293.468

69, 39.299,
106.156

73, 43.874,
294.260

68, 47.709,
105.290

73, 45.427,
294.393

68, 55.415,
104.507

73, 45.427,
294.397

68, 62.054,
103.846

73, 45.427,
294.400

68, 67.194,
103.344

73, 45.427,
294.404

68, 70.472,
103.030

Harmonies

Complementary

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



70, 2.724, 109.882



68, 2.759, 290.502

Rectangle

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



70, 2.724, 109.882



70, 2.724, 159.882



70, 2.724, 289.882



70, 2.724, 339.882

Sweetspot

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



70, 2.726, 109.907



88, 1.145, 110.046



69, 1.903, 19.320



47, 0.656, 110.048



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, 2.726, 109.907



88, 4.610, 109.805



70, 2.898, 128.981



37, 2.670, 109.751



60, 65.376, 102.889



7, 11.345, 110.212

Inverse Universe

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



68, 2.759, 290.502



85, 4.669, 290.610



69, 2.925, 309.157



35, 2.706, 290.667



17, 90.269, 306.290



1, 11.347, 290.197

Previews

White Background



This preview shows how the CIELCh color 70, 2.724, 109.882 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, 2.724, 109.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

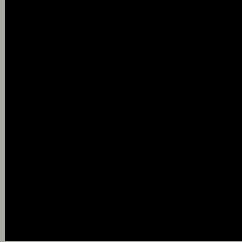
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

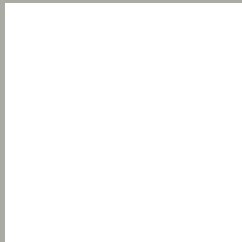
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 2.724, 109.882

Background



This preview shows how black text looks on a background with the CIELCh color 70, 2.724, 109.882.



This preview shows how white text looks on a background with the CIELCh color 70, 2.724, 109.882.

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, 2.724, 109.882

Protanopia

70, 2.885, 68.475

Deuteranopia

70, 9.395, 10.204



Tritanopia
70, 7.388, 305.291

Trichromacy



Original Color
70, 2.724, 109.882

Protanomaly
70, 2.944, 87.000

Deuteranomaly
70, 6.148, 19.868

Tritanomaly
70, 3.491, 309.184

Monochromacy



Original Color
70, 2.724, 109.882

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 1.085, 110.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 2.724, 109.882 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(171, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 171, 166) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 70, 2.724, 109.882 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(171, 171, 166) }
```

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

```
.border{ border-color:rgb(171, 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(171, 171, 166)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 70, 2.724, 109.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(171,  
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](#).

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