

Converting Colors

CIELCh(70, 5.648, 91.147)

Have a look what the booklet for
CIELCh(70, 5.648, 91.147) contains.

CIELCh(70, 5.656, 93.764)	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, 5.656, 93.764)

Conversions

Conversions Part 1

Format	Color
Hex	AFABA1
RGB	175, 171, 161
RGB Percent	69%, 67%, 63%
CMY	0.3142, 0.3299, 0.3691
CMYK	0.00, 0.02, 0.08, 0.31
HSL	43°, 8%, 66%
HSV	43°, 8%, 69%
XYZ	38.6148, 40.7494, 39.4931
YIQ	171.0560, 5.5940, -2.2620

Conversions

Conversions Part 2

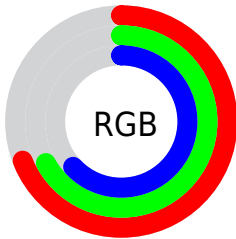
Format	Color
RYB	167, 175, 161
Decimal	11512737
CIELab	70.00, -0.37, 5.64
CIELCh	70, 5.656, 93.764
Yxy	40.7494, 0.3249, 0.3428
Android (android.graphics.Color)	4289702817 (0xFFAFABA1)
YUV	171.0560, -4.9576, 3.4589
Hunter-Lab	63.8353, -3.7346, 8.0036

Details

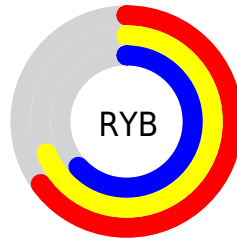
The CIELCh color $70, 5.656, 93.764$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 5.683, 275.788$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 5.472, 90.272$, and $50, 5.489, 91.855$ is the 20% darker color. If you saturate the color by 10%, you get $68, 12.834, 92.575$, and if you desaturate by 10%, it is $72, 1.409, 275.131$.

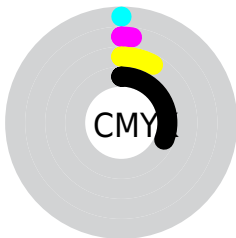
Distribution



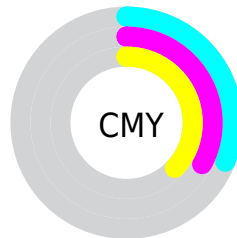
- Red (69%)
- Green (67%)
- Blue (63%)



- Red (65%)
- Yellow (69%)
- Blue (63%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (31%)



- Cyan (31%)
- Magenta (33%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 5.656, 93.764 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, 5.656, 93.764 by changing the saturation by 10% instead.

 70, 5.656, 93.764  70, 5.656, 93.764

 100, 5.656, 93.764  60, 5.656, 93.764

 90, 5.656, 93.764  50, 5.656, 93.764

 40, 5.656, 93.764

 30, 5.656, 93.764

 20, 5.656, 93.764

 10, 5.656, 93.764

 0, 5.656, 93.764

 70, 5.656, 93.764  70, 5.656, 93.764

 68, 12.834, 92.575  72, 1.409, 275.131

67, 20.107, 91.316

74, 8.361, 276.154

65, 27.440, 90.017

75, 15.200,
277.229

63, 34.763, 88.683

77, 21.933,
278.260

62, 41.938, 87.309

60, 48.724, 85.877

79, 28.564,
279.241

59, 54.713, 84.346

81, 29.621,
276.818

57, 59.310, 82.630

56, 62.094, 80.639

82, 27.440,
271.751

83, 25.503,
265.916

85, 23.864,
259.259

Harmonies

Complementary

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



70, 5.656, 93.764



68, 5.683, 275.788

Rectangle

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



70, 5.656, 93.764



70, 5.656, 143.764



70, 5.656, 273.764



70, 5.656, 323.764

Sweetspot

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



70, 5.657, 93.781



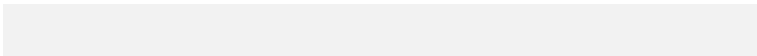
90, 1.731, 94.393



67, 5.851, 356.630



48, 0.992, 94.398



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



70, 5.657, 93.781



88, 8.754, 93.527



71, 7.695, 117.463



36, 3.978, 93.630



48, 56.088, 80.562



5, 7.643, 87.749

Inverse Universe

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



68, 5.683, 275.788



84, 8.794, 276.070



67, 7.833, 298.549



34, 3.996, 275.955



23, 69.770, 298.512



2, 8.869, 278.360

Previews

White Background



This preview shows how the CIELCh color 70, 5.656, 93.764 looks on a white background.

Color Contrast Check

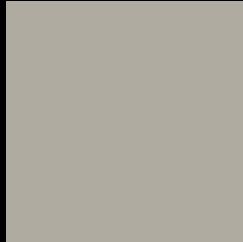
Large Text (above 18pt) WCAG AA × Fail

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, 5.656, 93.764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

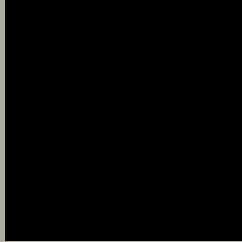
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

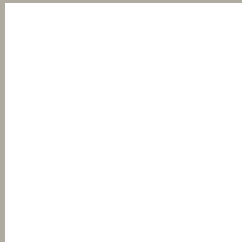
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 5.656, 93.764

Background



This preview shows how black text looks on a background with the CIELCh color 70, 5.656, 93.764.

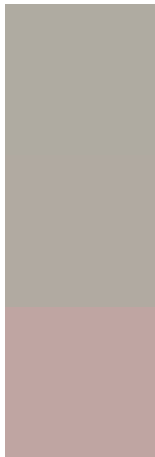


This preview shows how white text looks on a background with the CIELCh color 70, 5.656, 93.764.

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, 5.656, 93.764

Protanopia

70, 5.593, 80.695

Deuteranopia

70, 10.306, 29.333



Tritanopia
70, 8.073, 318.165

Trichromacy



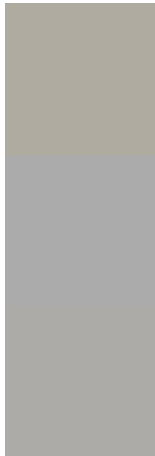
Original Color
70, 5.656, 93.764

Protanomaly
70, 5.417, 84.310

Deuteranomaly
70, 7.517, 41.128

Tritanomaly
70, 4.094, 337.729

Monochromacy



Original Color
70, 5.656, 93.764

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 2.206, 100.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 5.656, 93.764 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(175, 171, 161)` looks like.

```
.text, #text, p{  
    color:rgb(175, 171, 161)  
}
```

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(175, 171, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 171, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 5.656, 93.764 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(175, 171, 161) }
```

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

```
.border{ border-color:rgb(175, 171, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 171, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 171, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 171, 161);  
box-shadow:4px 4px 4px 4px rgb(175, 171,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 5.656, 93.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 171, 161) }
```

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

```
.background{ background-color: rgb(175,  
171, 161) }
```

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