

Converting Colors

CIELCh(69, 37.967, 168.868)

Have a look what the booklet for
CIELCh(69, 37.967, 168.868)
contains.

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Color

CIELCh(69, 37.973, 168.828)

Conversions

Conversions Part 1

Format	Color
Hex	55BA9A
RGB	85, 186, 154
RGB Percent	33%, 73%, 60%
CMY	0.6670, 0.2709, 0.3964
CMYK	0.54, 0.00, 0.17, 0.27
HSL	161°, 42%, 53%
HSV	161°, 54%, 73%
XYZ	27.1091, 39.3444, 36.7058
YIQ	152.1530, -49.9240, -31.3640

Conversions

Conversions Part 2

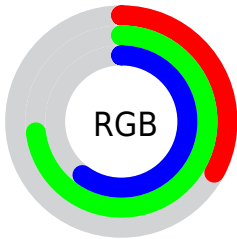
Format	Color
RYB	85, 145, 186
Decimal	5618330
CIELab	69.00, -37.25, 7.36
CIELCh	69, 37.973, 168.828
Yxy	39.3444, 0.2628, 0.3814
Android (android.graphics.Color)	4283808410 (0xFF55BA9A)
YUV	152.1530, 0.9106, -58.8932
Hunter-Lab	62.7251, -32.6233, 9.2120

Details

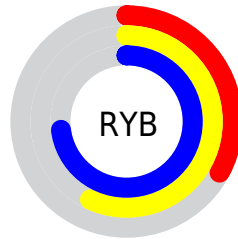
The CIELCh color **69, 37.973, 168.828** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **50, 44.078, 2.270**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 38.234, 168.428**, and **49, 37.925, 168.936** is the 20% darker color. If you saturate the color by 10%, you get **68, 43.423, 167.333**, and if you desaturate by 10%, it is **70, 31.871, 170.168**.

Distribution



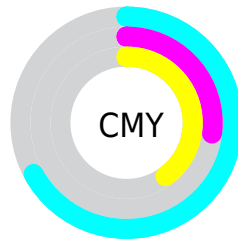
- Red (33%)
- Green (73%)
- Blue (60%)



- Red (33%)
- Yellow (57%)
- Blue (73%)



- Cyan (54%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)



- Cyan (67%)
- Magenta (27%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 37.973, 168.828 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 69, 37.973, 168.828 by changing the saturation by 10% instead.

 69, 37.973,
168.828


 69, 37.973,
168.828


 100, 37.973,
168.828


 59, 37.973,
168.828


 89, 37.973,
168.828

 49, 37.973,
168.828

 99, 37.973,
168.828

 39, 37.973,
168.828

 29, 37.973,
168.828

 19, 37.973,
168.828

 9, 37.973, 168.828

 0, 37.973, 168.828

■ 69, 37.973,
168.828

■ 69, 37.973,
168.828

■ 68, 43.423,
167.333

■ 70, 31.871,
170.168

■ 68, 48.136,
165.663

■ 71, 25.227,
171.381

■ 67, 52.079,
163.797

■ 72, 18.167,
172.489

■ 67, 55.283,
161.732

■ 73, 10.815,
173.519

■ 67, 56.908,
160.536

■ 75, 3.282, 174.553

■ 76, 4.334, 355.192

■ 78, 11.955,
356.085

■ 80, 19.520,
356.882

■ 82, 26.983,
357.632

Harmonies

Complementary

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



69, 37.973, 168.828



50, 44.078, 2.270

Rectangle

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



69, 37.973, 168.828



69, 37.973, 218.828



69, 37.973, 348.828



69, 37.973, 38.828

Sweetspot

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



69, 37.974, 168.827



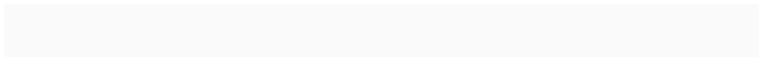
93, 14.953, 173.323



69, 59.277, 132.028



49, 10.157, 173.113



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 37.974, 168.827



87, 54.035, 167.054



65, 26.433, 218.465



38, 4.249, 174.018



57, 49.613, 160.864



8, 12.656, 167.367

Inverse Universe

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



50, 44.078, 2.270



59, 64.229, 5.235



52, 40.298, 37.367



36, 4.358, 355.619



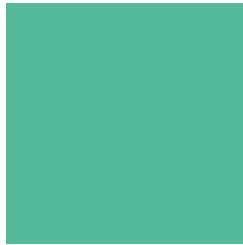
32, 59.927, 18.751



2, 11.271, 0.867

Previews

White Background



This preview shows how the CIELCh color 69, 37.973, 168.828 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 69, 37.973, 168.828 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 69, 37.973, 168.828

Background



This preview shows how black text looks on a background with the CIELCh color 69, 37.973, 168.828.

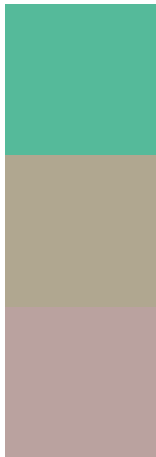


This preview shows how white text looks on a background with the CIELCh color 69, 37.973, 168.828.

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
69, 37.973, 168.828

Protanopia
69, 13.084, 92.862

Deuteranopia
69, 9.555, 30.036



Tritanopia
69, 25.953, 216.278

Trichromacy



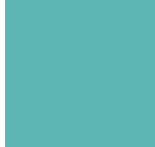
Original Color
69, 37.973, 168.828



Protanomaly
68, 18.632, 148.040



Deuteranomaly
68, 11.406, 156.045



Tritanomaly
69, 28.042, 194.921

Monochromacy



Original Color
69, 37.973, 168.828



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 14.739, 173.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 37.973, 168.828 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(85, 186, 154)` looks like.

```
.text, #text, p{  
    color:rgb(85, 186, 154)  
}
```

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(85, 186, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 186, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 37.973, 168.828 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(85, 186, 154) }
```

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

```
.border{ border-color:rgb(85, 186, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 186, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 186, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 186, 154);  
box-shadow:4px 4px 4px 4px rgb(85, 186,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 37.973, 168.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 186, 154) }
```

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

```
.background{ background-color: rgb(85, 186,  
154) }
```

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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