

Converting Colors

CIELCh(69, 37.561, 157.170)

Have a look what the booklet for
CIELCh(69, 37.561, 157.170)
contains.

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Color

CIELCh(69, 37.293, 157.429)

Conversions

Conversions Part 1

Format	Color
Hex	68B88D
RGB	104, 184, 141
RGB Percent	41%, 72%, 55%
CMY	0.5906, 0.2769, 0.4456
CMYK	0.43, 0.00, 0.23, 0.28
HSL	148°, 36%, 57%
HSV	148°, 43%, 72%
XYZ	27.8111, 39.3444, 31.4728
YIQ	155.1780, -33.8770, -30.3330

Conversions

Conversions Part 2

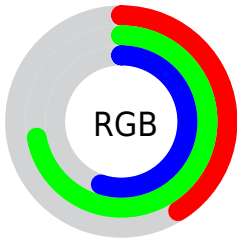
Format	Color
RYB	104, 159, 184
Decimal	6862989
CIELab	69.00, -34.44, 14.31
CIElCh	69, 37.293, 157.429
Yxy	39.3444, 0.2820, 0.3989
Android (android.graphics.Color)	4285053069 (0xFF68B88D)
YUV	155.1780, -6.9898, -44.8831
Hunter-Lab	62.7251, -30.6255, 14.1584

Details

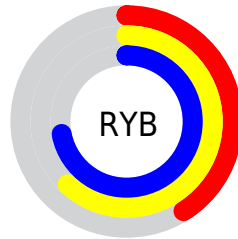
The CIELCh color **69, 37.293, 157.429** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **54, 38.805, 345.824**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 36.833, 157.648**, and **49, 36.871, 157.650** is the 20% darker color. If you saturate the color by 10%, you get **68, 45.122, 156.082**, and if you desaturate by 10%, it is **70, 29.022, 158.614**.

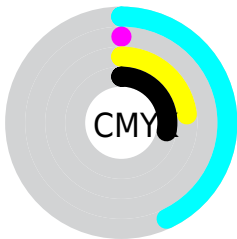
Distribution



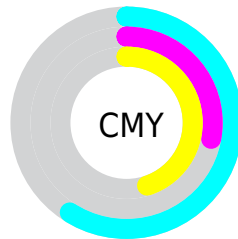
- Red (41%)
- Green (72%)
- Blue (55%)



- Red (41%)
- Yellow (62%)
- Blue (72%)



- Cyan (43%)
- Magenta (0%)
- Yellow (23%)
- Black (28%)




- Cyan (59%)
- Magenta (28%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 37.293, 157.429 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, 37.293, 157.429 by changing the saturation by 10% instead.

 69, 37.293,
157.429


 69, 37.293,
157.429


 100, 37.293,
157.429


 59, 37.293,
157.429

 89, 37.293,
157.429

 49, 37.293,
157.429

 99, 37.293,
157.429

 39, 37.293,
157.429

 29, 37.293,
157.429

 19, 37.293,
157.429

 9, 37.293, 157.429

 0, 37.293, 157.429

■ 69, 37.293,
157.429

■ 69, 37.293,
157.429

■ 68, 45.122,
156.082

■ 70, 29.022,
158.614

■ 67, 52.362,
154.553

■ 71, 20.455,
159.665

■ 67, 58.889,
152.822

■ 73, 11.728,
160.608

■ 66, 64.625,
150.884

■ 74, 2.959, 161.534

■ 66, 69.554,
148.755

■ 76, 5.759, 342.096

■ 66, 72.489,
147.332

■ 78, 14.354,
342.819

■ 80, 22.773,
343.455

■ 82, 30.983,
344.038

■ 83, 34.921,
338.307

Harmonies

Complementary

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



69, 37.293, 157.429



54, 38.805, 345.824

Rectangle

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



69, 37.293, 157.429



69, 37.293, 207.429



69, 37.293, 337.429



69, 37.293, 27.429

Sweetspot

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



69, 37.294, 157.428



92, 14.091, 160.624



71, 44.857, 125.235



49, 9.855, 160.424



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 37.294, 157.428



86, 54.443, 156.158



70, 26.113, 192.492



38, 4.942, 160.970



56, 63.493, 147.655



8, 14.793, 156.151

Inverse Universe

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



54, 38.805, 345.824



65, 56.784, 347.085



53, 34.474, 20.121



36, 4.995, 342.373



33, 59.169, 357.907



3, 12.484, 348.616

Previews

White Background



This preview shows how the CIE LCh color 69, 37.293, 157.429 looks on a white background.

Color Contrast Check

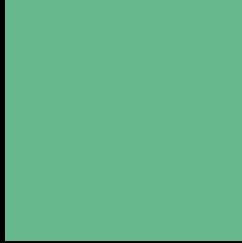
Large Text (above 18pt) WCAG AA × Fail

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 69, 37.293, 157.429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

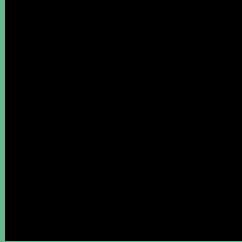
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 37.293, 157.429

Background



This preview shows how black text looks on a background with the CIELCh color 69, 37.293, 157.429.

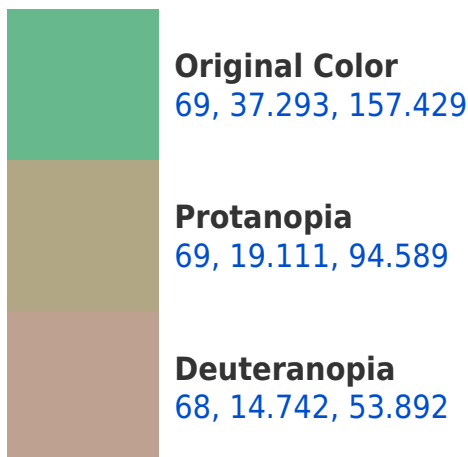


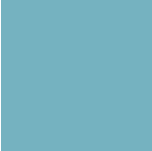
This preview shows how white text looks on a background with the CIELCh color 69, 37.293, 157.429.

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





Tritanopia
69, 20.862, 219.778

Trichromacy



Original Color
69, 37.293, 157.429



Protanomaly
68, 22.018, 131.374



Deuteranomaly
68, 14.772, 124.182



Tritanomaly
69, 23.211, 189.304

Monochromacy



Original Color
69, 37.293, 157.429



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 13.830, 161.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 37.293, 157.429 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(104, 184, 141)` looks like.

```
.text, #text, p{  
    color:rgb(104, 184, 141)  
}
```

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(104, 184, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 184, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 37.293, 157.429 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(104, 184, 141) }
```

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

```
.border{ border-color:rgb(104, 184, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 184, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 184, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 184, 141);  
box-shadow:4px 4px 4px 4px rgb(104, 184,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 37.293, 157.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 184, 141) }
```

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

```
.background{ background-color: rgb(104,  
184, 141) }
```

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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