

Converting Colors

CIELCh(71, 34.365, 168.621)

Have a look what the booklet for
CIELCh(71, 34.365, 168.621)
contains.

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Color

CIELCh(71, 34.394, 168.269)

Conversions

Conversions Part 1

Format	Color
Hex	66BEA0
RGB	102, 190, 160
RGB Percent	40%, 75%, 63%
CMY	0.6000, 0.2549, 0.3726
CMYK	0.46, 0.00, 0.16, 0.25
HSL	160°, 40%, 57%
HSV	160°, 46%, 75%
XYZ	30.2364, 42.1875, 39.8055
YIQ	160.2680, -42.8180, -27.9860

Conversions

Conversions Part 2

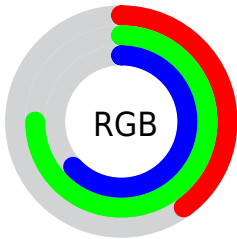
Format	Color
RYB	102, 155, 190
Decimal	6733472
CIELab	71.00, -33.68, 6.99
CIELCh	71, 34.394, 168.269
Yxy	42.1875, 0.2694, 0.3759
Android (android.graphics.Color)	4284923552 (0xFF66BEA0)
YUV	160.2680, -0.1321, -51.1010
Hunter-Lab	64.9519, -30.5705, 9.1307

Details

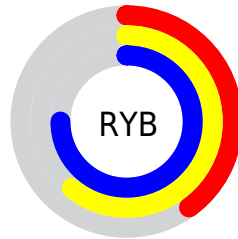
The CIELCh color **71, 34.394, 168.269** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **54, 38.642, 358.940**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 34.314, 168.269**, and **51, 34.212, 168.643** is the 20% darker color. If you saturate the color by 10%, you get **70, 40.665, 166.877**, and if you desaturate by 10%, it is **72, 27.561, 169.519**.

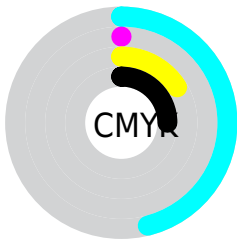
Distribution



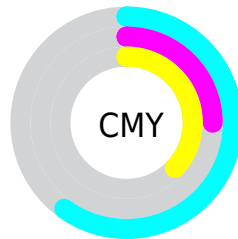
- Red (40%)
- Green (75%)
- Blue (63%)



- Red (40%)
- Yellow (61%)
- Blue (75%)



- Cyan (46%)
- Magenta (0%)
- Yellow (16%)
- Black (25%)




- Cyan (60%)
- Magenta (25%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 34.394, 168.269 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 71, 34.394, 168.269 by changing the saturation by 10% instead.


 71, 34.394,
168.269

 71, 34.394,
168.269


 100, 34.394,
168.269


 61, 34.394,
168.269


 91, 34.394,
168.269

 51, 34.394,
168.269

 41, 34.394,
168.269

 31, 34.394,
168.269

 21, 34.394,
168.269

 11, 34.394,
168.269

 1, 34.394, 168.269

■ 0, 34.394, 168.269

■ 71, 34.394,
168.269

■ 71, 34.394,
168.269

■ 70, 40.665,
166.877

■ 72, 27.561,
169.519

■ 69, 46.258,
165.321

■ 73, 20.291,
170.656

■ 69, 51.095,
163.579

■ 74, 12.715,
171.702

■ 69, 55.150,
161.633

■ 76, 4.950, 172.710

■ 68, 58.479,
159.494

■ 78, 2.902, 353.351

■ 68, 59.623,
158.709

■ 79, 10.758,
354.293

■ 81, 18.553,

355.091

■ 83, 26.238,
355.838

■ 84, 27.965,
349.786

Harmonies

Complementary

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



71, 34.394, 168.269



54, 38.642, 358.940

Rectangle

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



71, 34.394, 168.269



71, 34.394, 218.269



71, 34.394, 348.269



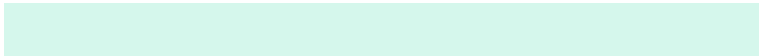
71, 34.394, 38.269

Sweetspot

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



71, 34.395, 168.268



95, 13.538, 171.912



71, 51.711, 131.910



51, 9.407, 171.692



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 34.395, 168.268



89, 50.005, 166.790



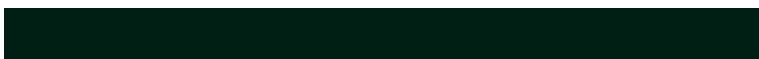
68, 24.168, 215.341



39, 4.412, 172.399



58, 51.743, 159.048



9, 14.728, 165.289

Inverse Universe

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



54, 38.642, 358.940



64, 57.454, 1.084



56, 34.302, 35.335



37, 4.515, 353.999



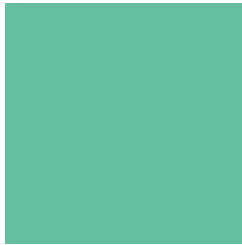
33, 60.127, 16.600



3, 13.008, 0.532

Previews

White Background



This preview shows how the CIELCh color 71, 34.394, 168.269 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 71, 34.394, 168.269 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 71, 34.394, 168.269

Background



This preview shows how black text looks on a background with the CIELCh color 71, 34.394, 168.269.

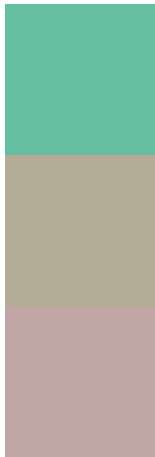


This preview shows how white text looks on a background with the CIELCh color 71, 34.394, 168.269.

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](#).

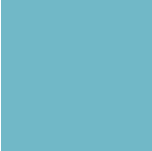
Dichromacy



Original Color
71, 34.394, 168.269

Protanopia
71, 11.965, 91.661

Deuteranopia
71, 9.788, 26.558



Tritanopia
71, 23.442, 218.462

Trichromacy



Original Color
71, 34.394, 168.269



Protanomaly
70, 17.156, 145.572



Deuteranomaly
70, 8.970, 151.765



Tritanomaly
71, 24.977, 196.198

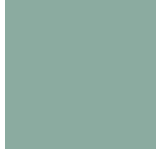
Monochromacy



Original Color
71, 34.394, 168.269



Achromatopsia
66, 0.008, 296.813



Achromatomaly
67, 13.383, 171.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 34.394, 168.269 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(102, 190, 160)` looks like.

```
.text, #text, p{  
    color:rgb(102, 190, 160)  
}
```

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(102, 190, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 190, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 34.394, 168.269 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(102, 190, 160) }
```

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

```
.border{ border-color:rgb(102, 190, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 190, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 190, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 190, 160);  
box-shadow:4px 4px 4px 4px rgb(102, 190,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 34.394, 168.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 190, 160) }
```

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

```
.background{ background-color: rgb(102,  
190, 160) }
```

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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