

Converting Colors

CIELCh(71, 32.992, 171.803)

Have a look what the booklet for
CIELCh(71, 32.992, 171.803)
contains.

CIELCh(71, 33.136, 171.403)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 33.136, 171.403)

Conversions

Conversions Part 1

Format	Color
Hex	66BEA4
RGB	102, 190, 164
RGB Percent	40%, 75%, 64%
CMY	0.6011, 0.2560, 0.3579
CMYK	0.46, 0.00, 0.14, 0.26
HSL	162°, 40%, 57%
HSV	162°, 46%, 74%
XYZ	30.4794, 42.1875, 41.5330
YIQ	160.7240, -44.1020, -26.7420

Conversions

Conversions Part 2

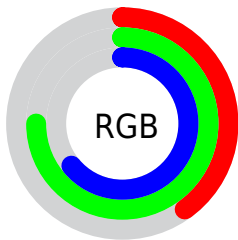
Format	Color
RYB	102, 154, 190
Decimal	6733476
CIELab	71.00, -32.76, 4.95
CIELCh	71, 33.136, 171.403
Yxy	42.1875, 0.2669, 0.3694
Android (android.graphics.Color)	4284923556 (0xFF66BEA4)
YUV	160.7240, 1.6151, -51.5009
Hunter-Lab	64.9519, -29.9027, 7.5538

Details

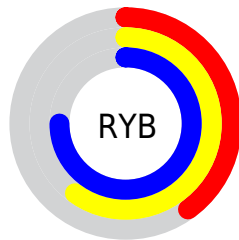
The CIELCh color **71, 33.136, 171.403** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **54, 38.148, 2.236**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 33.148, 171.258**, and **51, 33.165, 171.143** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.044, 170.050**, and if you desaturate by 10%, it is **72, 26.641, 172.626**.

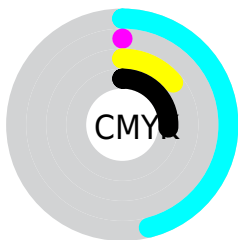
Distribution



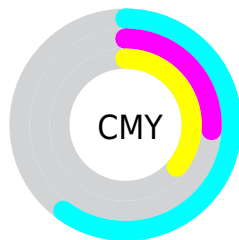
- Red (40%)
- Green (75%)
- Blue (64%)



- Red (40%)
- Yellow (60%)
- Blue (75%)



- Cyan (46%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)





- Cyan (60%)
- Magenta (26%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 33.136, 171.403 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, 33.136, 171.403 by changing the saturation by 10% instead.


 71, 33.136,
171.403


 71, 33.136,
171.403


 100, 33.136,
171.403


 61, 33.136,
171.403


 91, 33.136,
171.403

 51, 33.136,
171.403

 41, 33.136,
171.403

 31, 33.136,
171.403

 21, 33.136,
171.403

 11, 33.136,
171.403

 1, 33.136, 171.403

■ 0, 33.136, 171.403

■ 71, 33.136,
171.403

■ 71, 33.136,
171.403

■ 70, 39.044,
170.050

■ 72, 26.641,
172.626

■ 70, 44.256,
168.545

■ 73, 19.681,
173.746

■ 69, 48.699,
166.865

■ 74, 12.382,
174.787

■ 69, 52.354,
164.991

■ 76, 4.862, 175.798

■ 68, 55.284,
162.927

■ 77, 2.777, 356.431

■ 79, 10.450,
357.396

■ 68, 56.267,
162.182

■ 81, 18.092,

358.214

■ 83, 25.650,
358.984

■ 83, 27.189,
353.652

Harmonies

Complementary

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



71, 33.136, 171.403



54, 38.148, 2.236

Rectangle

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



71, 33.136, 171.403



71, 33.136, 221.403



71, 33.136, 351.403



71, 33.136, 41.403

Sweetspot

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



71, 33.137, 171.402



95, 13.154, 175.003



71, 52.501, 133.406



51, 9.135, 174.783



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, 33.137, 171.402



89, 48.012, 169.974



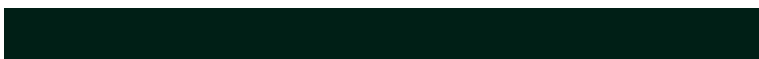
67, 23.594, 222.406



39, 4.291, 175.492



58, 48.914, 162.506



9, 14.189, 168.435

Inverse Universe

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



54, 38.148, 2.236



64, 56.938, 4.488



57, 33.233, 39.663



37, 4.410, 357.102



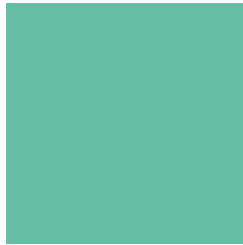
33, 61.238, 20.780



3, 12.829, 2.901

Previews

White Background



This preview shows how the CIELCh color 71, 33.136, 171.403 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, 33.136, 171.403 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, 33.136, 171.403

Background



This preview shows how black text looks on a background with the CIELCh color 71, 33.136, 171.403.

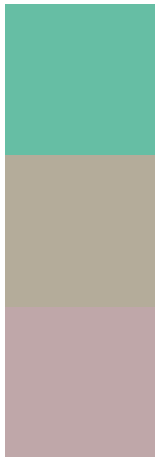


This preview shows how white text looks on a background with the CIELCh color 71, 33.136, 171.403.

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, 33.136, 171.403

Protanopia
71, 10.283, 91.339

Deuteranopia
71, 9.312, 13.495



Tritanopia
71, 23.920, 217.983

Trichromacy



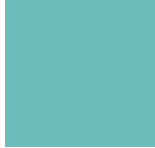
Original Color
71, 33.136, 171.403



Protanomaly
70, 14.777, 150.651



Deuteranomaly
70, 7.462, 162.947



Tritanomaly
71, 25.398, 197.445

Monochromacy



Original Color
71, 33.136, 171.403



Achromatopsia
66, 0.008, 296.813



Achromatomaly
67, 13.108, 173.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 33.136, 171.403 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(102, 190, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 190, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 33.136, 171.403 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, 164) }
```

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

```
.border{ border-color:rgb(102, 190, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 190, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 190, 164); box-shadow:4px 4px 4px 4px rgb(102, 190, 164) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 33.136, 171.403 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, 164) }
```

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

```
.background{ background-color: rgb(102,  
190, 164) }
```

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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