

Converting Colors

CIELCh(73, 30.493, 168.335)

Have a look what the booklet for
CIELCh(73, 30.493, 168.335)
contains.

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Color

CIELCh(73, 30.410, 168.228)

Conversions

Conversions Part 1

Format	Color
Hex	76C2A7
RGB	118, 194, 167
RGB Percent	46%, 76%, 65%
CMY	0.5377, 0.2396, 0.3455
CMYK	0.39, 0.00, 0.14, 0.24
HSL	159°, 38%, 61%
HSV	159°, 39%, 76%
XYZ	33.6889, 45.1644, 43.4494
YIQ	168.1980, -36.6290, -24.5090

Conversions

Conversions Part 2

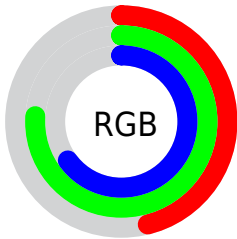
Format	Color
RYB	118, 164, 194
Decimal	7783079
CIELab	73.00, -29.77, 6.20
CIELCh	73, 30.410, 168.228
Yxy	45.1644, 0.2755, 0.3693
Android (android.graphics.Color)	4285973159 (0xFF76C2A7)
YUV	168.1980, -0.5906, -44.0236
Hunter-Lab	67.2044, -28.1275, 8.7106

Details

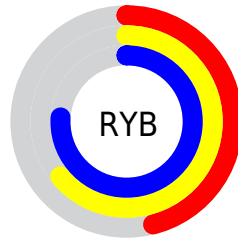
The CIELCh color **73, 30.410, 168.228** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58, 33.387, 356.757**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 30.511, 168.075**, and **53, 30.543, 168.167** is the 20% darker color. If you saturate the color by 10%, you get **72, 37.313, 166.929**, and if you desaturate by 10%, it is **74, 23.035, 169.399**.

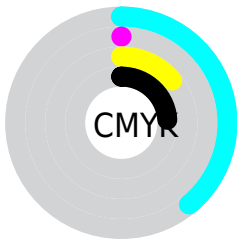
Distribution



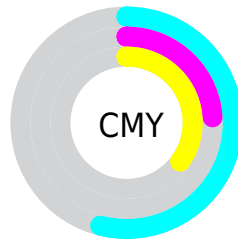
- Red (46%)
- Green (76%)
- Blue (65%)



- Red (46%)
- Yellow (64%)
- Blue (76%)



- Cyan (39%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)





- Cyan (54%)
- Magenta (24%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 30.410, 168.228 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 73, 30.410, 168.228 by changing the saturation by 10% instead.


 73, 30.410,
168.228


 73, 30.410,
168.228


 100, 30.410,
168.228


 63, 30.410,
168.228


 93, 30.410,
168.228

 53, 30.410,
168.228

 43, 30.410,
168.228

 33, 30.410,
168.228

 23, 30.410,
168.228

 13, 30.410,
168.228

 3, 30.410, 168.228

■ 0, 30.410, 168.228

■ 73, 30.410,
168.228

■ 73, 30.410,
168.228

■ 72, 37.313,
166.929

■ 74, 23.035,
169.399

■ 71, 43.611,
165.480

■ 75, 15.318,
170.470

■ 71, 49.197,
163.857

■ 77, 7.386, 171.475

■ 70, 54.000,
162.036

■ 79, 0.653, 351.630

■ 70, 58.014,
160.010

■ 80, 8.709, 353.104

■ 82, 16.711,
353.917

■ 69, 61.375,
157.829

■ 84, 24.606,
354.669

■ 69, 61.638,
157.658

■ 85, 26.632,
348.131

■ 85, 28.588,
341.929

Harmonies

Complementary

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



73, 30.410, 168.228



58, 33.387, 356.757

Rectangle

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



73, 30.410, 168.228



73, 30.410, 218.228



73, 30.410, 348.228



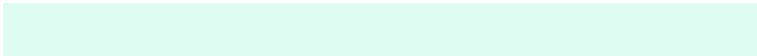
73, 30.410, 38.228

Sweetspot

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



73, 30.411, 168.227



97, 11.924, 171.177



74, 44.533, 131.745



52, 7.968, 171.044



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 30.411, 168.227



92, 44.329, 167.125



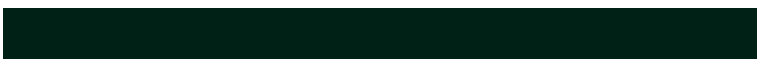
71, 21.758, 212.705



40, 4.551, 171.458



58, 53.300, 158.002



10, 16.438, 164.086

Inverse Universe

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



58, 33.387, 356.757



70, 49.608, 358.199



60, 29.038, 33.380



38, 4.653, 353.057



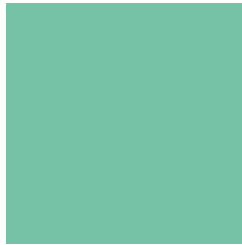
34, 60.579, 15.332



3, 14.855, 0.618

Previews

White Background



This preview shows how the CIELCh color 73, 30.410, 168.228 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 73, 30.410, 168.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

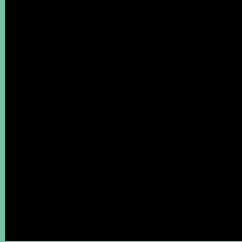
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

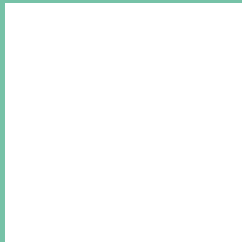
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 30.410, 168.228

Background



This preview shows how black text looks on a background with the CIELCh color 73, 30.410, 168.228.

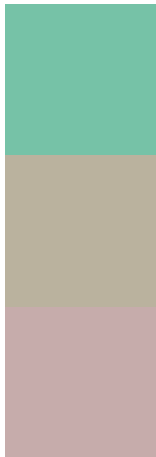


This preview shows how white text looks on a background with the CIELCh color 73, 30.410, 168.228.

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

73, 30.410, 168.228

Protanopia

73, 11.254, 92.912

Deuteranopia

73, 10.055, 23.290



Tritanopia
73, 21.208, 220.792

Trichromacy



Original Color
73, 30.410, 168.228



Protanomaly
73, 15.280, 143.711



Deuteranomaly
72, 6.861, 146.678



Tritanomaly
73, 22.157, 197.720

Monochromacy



Original Color
73, 30.410, 168.228



Achromatopsia
69, 0.009, 296.813



Achromatomaly
70, 11.175, 172.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 30.410, 168.228 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(118, 194, 167)` looks like.

```
.text, #text, p{  
    color:rgb(118, 194, 167)  
}
```

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(118, 194, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 194, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 30.410, 168.228 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(118, 194, 167) }
```

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

```
.border{ border-color:rgb(118, 194, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 194, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 194, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 194, 167);  
box-shadow:4px 4px 4px 4px rgb(118, 194,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 30.410, 168.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 194, 167) }
```

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

```
.background{ background-color: rgb(118,  
194, 167) }
```

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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