

Converting Colors

CIELCh(75, 33.205, 162.360)

Have a look what the booklet for
CIELCh(75, 33.205, 162.360)
contains.

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Color

CIELCh(75, 33.227, 162.338)

Conversions

Conversions Part 1

Format	Color
Hex	7BC8A5
RGB	123, 200, 165
RGB Percent	48%, 78%, 65%
CMY	0.5174, 0.2154, 0.3527
CMYK	0.38, 0.00, 0.17, 0.22
HSL	153°, 41%, 63%
HSV	153°, 38%, 78%
XYZ	35.6480, 48.2781, 43.0710
YIQ	172.9870, -34.6570, -27.2090

Conversions

Conversions Part 2

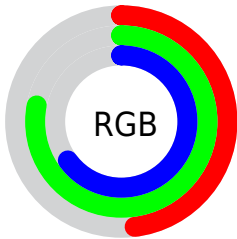
Format	Color
RYB	123, 173, 200
Decimal	8112293
CIELab	75.00, -31.66, 10.08
CIELCh	75, 33.227, 162.338
Yxy	48.2781, 0.2807, 0.3802
Android (android.graphics.Color)	4286302373 (0xFF7BC8A5)
YUV	172.9870, -3.9376, -43.8386
Hunter-Lab	69.4824, -30.0147, 11.8848

Details

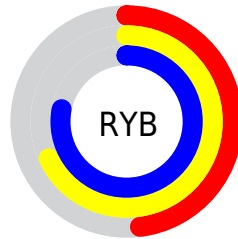
The CIELCh color **75, 33.227, 162.338** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **61, 35.215, 350.164**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.050, 163.260**, and **55, 33.623, 162.088** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.144, 161.038**, and if you desaturate by 10%, it is **76, 24.884, 163.495**.

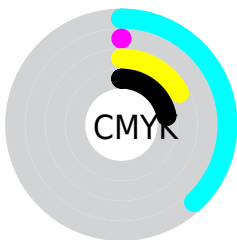
Distribution



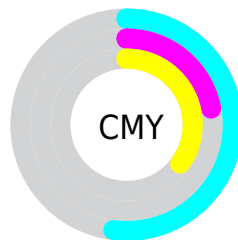
- Red (48%)
- Green (78%)
- Blue (65%)



- Red (48%)
- Yellow (68%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 33.227, 162.338 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 75, 33.227, 162.338 by changing the saturation by 10% instead.


 75, 33.227,
162.338


 75, 33.227,
162.338


 100, 33.227,
162.338


 65, 33.227,
162.338


 95, 33.227,
162.338

 55, 33.227,
162.338

 45, 33.227,
162.338

 35, 33.227,
162.338

 25, 33.227,
162.338

 15, 33.227,
162.338

 5, 33.227, 162.338

■ 0, 33.227, 162.338

■ 75, 33.227,
162.338

■ 75, 33.227,
162.338

■ 74, 41.144,
161.038

■ 76, 24.884,
163.495

■ 73, 48.484,
159.572

■ 78, 16.256,
164.538

■ 72, 55.119,
157.915

■ 79, 7.478, 165.502

■ 72, 60.957,
156.051

■ 81, 1.339, 345.980

■ 71, 65.969,
153.974

■ 83, 10.105,
347.034

■ 71, 70.250,
151.737

■ 85, 18.752,
347.775

■ 86, 24.824,

■ 71, 70.874,
151.409

344.366

■ 86, 27.756,
336.344

■ 87, 31.155,
330.048

Harmonies

Complementary

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



75, 33.227, 162.338



61, 35.215, 350.164

Rectangle

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



75, 33.227, 162.338



75, 33.227, 212.338



75, 33.227, 342.338



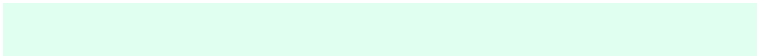
75, 33.227, 32.338

Sweetspot

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



75, 33.228, 162.337



98, 12.872, 165.151



76, 43.625, 128.446



52, 8.536, 165.024



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 33.228, 162.337



92, 47.700, 161.287



75, 24.005, 200.982



41, 4.973, 165.417



59, 60.483, 151.780



11, 19.316, 158.041

Inverse Universe

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



61, 35.215, 350.164



72, 51.041, 351.338



60, 31.631, 25.391



39, 5.049, 346.936



35, 60.463, 5.876



4, 17.449, 355.717

Previews

White Background



This preview shows how the CIELCh color 75, 33.227, 162.338 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 75, 33.227, 162.338 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 75, 33.227, 162.338

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.227, 162.338.

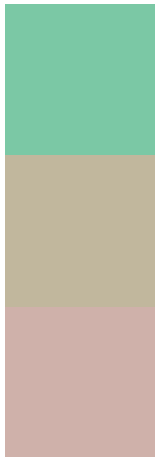


This preview shows how white text looks on a background with the CIELCh color 75, 33.227, 162.338.

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

75, 33.227, 162.338

Protanopia

75, 14.525, 93.042

Deuteranopia

75, 12.308, 38.016

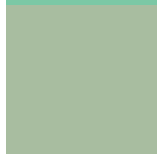


Tritanopia
75, 21.076, 222.487

Trichromacy



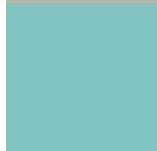
Original Color
75, 33.227, 162.338



Protanomaly
74, 17.597, 135.816



Deuteranomaly
74, 9.808, 129.708



Tritanomaly
75, 22.305, 194.932

Monochromacy



Original Color
75, 33.227, 162.338



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 12.616, 164.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.227, 162.338 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(123, 200, 165)` looks like.

```
.text, #text, p{  
    color:rgb(123, 200, 165)  
}
```

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(123, 200, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 200, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.227, 162.338 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(123, 200, 165) }
```

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

```
.border{ border-color:rgb(123, 200, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 200, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 200, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 200, 165);  
box-shadow:4px 4px 4px 4px rgb(123, 200,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.227, 162.338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 200, 165) }
```

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

```
.background{ background-color: rgb(123,  
200, 165) }
```

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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