

Converting Colors

CIELCh(75, 41.245, 151.113)

Have a look what the booklet for
CIELCh(75, 41.245, 151.113)
contains.

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Color

CIELCh(75, 41.303, 151.048)

Conversions

Conversions Part 1

Format	Color
Hex	7BCA93
RGB	123, 202, 147
RGB Percent	48%, 79%, 58%
CMY	0.5195, 0.2098, 0.4253
CMYK	0.39, 0.00, 0.27, 0.21
HSL	138°, 42%, 64%
HSV	138°, 39%, 79%
XYZ	34.3356, 48.2781, 34.9226
YIQ	172.1090, -29.4290, -33.8530

Conversions

Conversions Part 2

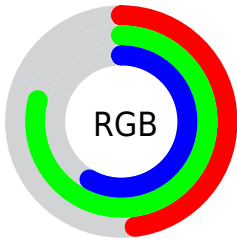
Format	Color
RYB	123, 184, 202
Decimal	8112787
CIELab	75.00, -36.14, 19.99
CIElCh	75, 41.303, 151.048
Yxy	48.2781, 0.2921, 0.4108
Android (android.graphics.Color)	4286302867 (0xFF7BCA93)
YUV	172.1090, -12.3787, -43.0686
Hunter-Lab	69.4824, -33.3862, 18.8380

Details

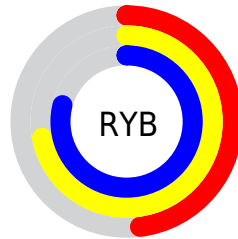
The CIELCh color **75, 41.303, 151.048** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **61, 41.789, 337.387**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 38.886, 151.756**, and **55, 41.163, 151.133** is the 20% darker color. If you saturate the color by 10%, you get **74, 51.249, 149.834**, and if you desaturate by 10%, it is **76, 30.949, 152.103**.

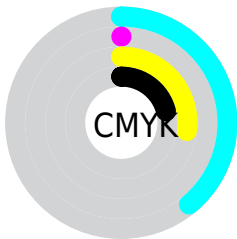
Distribution



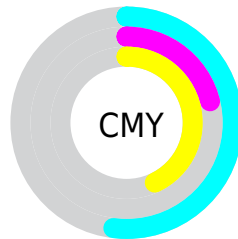
- Red (48%)
- Green (79%)
- Blue (58%)



- Red (48%)
- Yellow (72%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (27%)
- Black (21%)





- Cyan (52%)
- Magenta (21%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 41.303, 151.048 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, 41.303, 151.048 by changing the saturation by 10% instead.


 75, 41.303,
151.048


 75, 41.303,
151.048


 100, 41.303,
151.048


 65, 41.303,
151.048


 95, 41.303,
151.048

 55, 41.303,
151.048

 45, 41.303,
151.048

 35, 41.303,
151.048

 25, 41.303,
151.048

 15, 41.303,
151.048

 5, 41.303, 151.048

■ 0, 41.303, 151.048

■ 75, 41.303,
151.048

■ 75, 41.303,
151.048

■ 74, 51.249,
149.834

■ 76, 30.949,
152.103

■ 73, 60.582,
148.444

■ 78, 20.370,
153.024

■ 72, 69.105,
146.867

■ 79, 9.727, 153.839

■ 72, 76.648,
145.111

■ 81, 0.853, 334.101

■ 83, 11.271,
335.087

■ 71, 83.088,
143.212

■ 85, 21.460,
335.648

■ 71, 88.424,
141.285

■ 87, 29.394,

■ 71, 88.820,
141.143

331.585

■ 87, 33.547,
325.591

Harmonies

Complementary

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



75, 41.303, 151.048



61, 41.789, 337.387

Rectangle

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



75, 41.303, 151.048



75, 41.303, 201.048



75, 41.303, 331.048



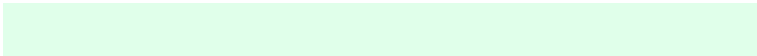
75, 41.303, 21.048

Sweetspot

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



75, 41.304, 151.048



97, 15.386, 153.605



78, 42.310, 119.546



52, 10.211, 153.499



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, 41.304, 151.048



92, 59.398, 150.033



76, 27.966, 179.509



42, 6.060, 153.823



59, 76.293, 141.442



12, 24.565, 148.698

Inverse Universe

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



61, 41.789, 337.387



72, 59.971, 338.142



60, 33.035, 8.043



40, 6.092, 335.057



37, 66.797, 345.002



4, 22.662, 341.004

Previews

White Background



This preview shows how the CIELCh color 75, 41.303, 151.048 looks on a white background.

Color Contrast Check

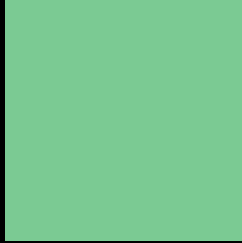
Large Text (above 18pt) WCAG AA × Fail

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, 41.303, 151.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

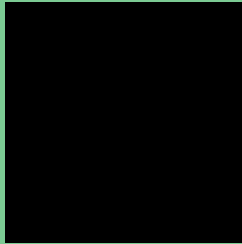
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 41.303, 151.048

Background



This preview shows how black text looks on a background with the CIELCh color 75, 41.303, 151.048.

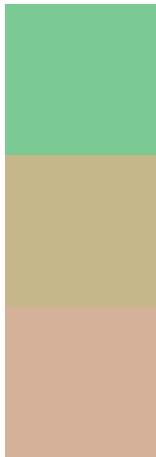


This preview shows how white text looks on a background with the CIELCh color 75, 41.303, 151.048.

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](#).

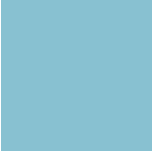
Dichromacy



Original Color
75, 41.303, 151.048

Protanopia
75, 24.803, 94.474

Deuteranopia
75, 19.688, 62.895



Tritanopia
75, 20.064, 223.888

Trichromacy



Original Color
75, 41.303, 151.048



Protanomaly
74, 27.350, 124.519



Deuteranomaly
74, 19.510, 116.458



Tritanomaly
75, 22.911, 183.940

Monochromacy



Original Color
75, 41.303, 151.048



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 15.464, 153.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 41.303, 151.048 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, 202, 147)` looks like.

```
.text, #text, p{  
    color:rgb(123, 202, 147)  
}
```

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, 202, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 202, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 41.303, 151.048 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, 202, 147) }
```

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

```
.border{ border-color:rgb(123, 202, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 202, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 202, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 202, 147);  
box-shadow:4px 4px 4px 4px rgb(123, 202,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 41.303, 151.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 202, 147) }
```

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

```
.background{ background-color: rgb(123,  
202, 147) }
```

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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