

Converting Colors

CIELCh(75, 41.040, 163.873)

Have a look what the booklet for
CIELCh(75, 41.040, 163.873)
contains.

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Color

CIELCh(75, 41.061, 163.830)

Conversions

Conversions Part 1

Format	Color
Hex	65CBA2
RGB	101, 203, 162
RGB Percent	40%, 80%, 64%
CMY	0.6026, 0.2026, 0.3634
CMYK	0.50, 0.00, 0.20, 0.20
HSL	156°, 50%, 60%
HSV	156°, 50%, 80%
XYZ	33.3912, 48.2781, 41.8904
YIQ	167.8280, -47.6310, -34.3750

Conversions

Conversions Part 2

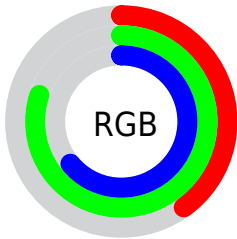
Format	Color
RYB	101, 165, 203
Decimal	6671266
CIELab	75.00, -39.44, 11.44
CIELCh	75, 41.061, 163.830
Yxy	48.2781, 0.2702, 0.3907
Android (android.graphics.Color)	4284861346 (0xFF65CBA2)
YUV	167.8280, -2.8732, -58.6082
Hunter-Lab	69.4824, -35.8125, 12.8922

Details

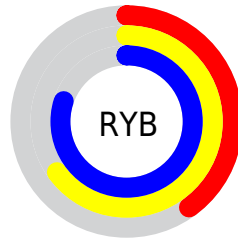
The CIELCh color **75, 41.061, 163.830** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 45.106, 355.403**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.995, 165.992**, and **55, 41.114, 163.687** is the 20% darker color. If you saturate the color by 10%, you get **74, 47.932, 162.337**, and if you desaturate by 10%, it is **76, 33.568, 165.158**.

Distribution



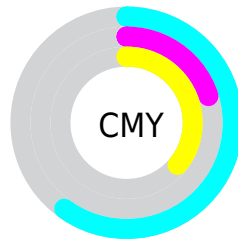
- Red (40%)
- Green (80%)
- Blue (64%)



- Red (40%)
- Yellow (65%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)





- Cyan (60%)
- Magenta (20%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 41.061, 163.830 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, 41.061, 163.830 by changing the saturation by 10% instead.


 75, 41.061,
163.830


 75, 41.061,
163.830


 100, 41.061,
163.830


 65, 41.061,
163.830


 95, 41.061,
163.830

 55, 41.061,
163.830

 45, 41.061,
163.830

 35, 41.061,
163.830

 25, 41.061,
163.830

 15, 41.061,
163.830

 5, 41.061, 163.830

■ 0, 41.061, 163.830

■ 75, 41.061,
163.830

■ 75, 41.061,
163.830

■ 74, 47.932,
162.337

■ 76, 33.568,
165.158

■ 73, 54.059,
160.656

■ 77, 25.589,
166.349

■ 73, 59.372,
158.770

■ 79, 17.271,
167.427

■ 73, 63.862,
156.672

■ 80, 8.746, 168.425

■ 72, 67.638,
154.477

■ 82, 0.132, 172.654

■ 84, 8.477, 350.038

■ 86, 17.006,
350.832

■ 87, 22.610,
347.007

■ 87, 25.088,
338.775

Harmonies

Complementary

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



75, 41.061, 163.830



56, 45.106, 355.403

Rectangle

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



75, 41.061, 163.830



75, 41.061, 213.830



75, 41.061, 343.830



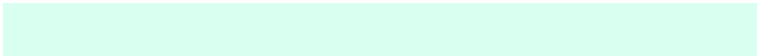
75, 41.061, 33.830

Sweetspot

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



75, 41.062, 163.829



97, 15.489, 167.929



76, 57.761, 129.605



51, 10.555, 167.715



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, 41.062, 163.829



91, 57.335, 162.236



74, 28.457, 206.780



42, 4.897, 168.500



60, 57.713, 154.842



12, 19.448, 160.562

Inverse Universe

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



56, 45.106, 355.403



65, 63.692, 357.552



57, 41.823, 30.635



40, 4.989, 350.077



35, 61.361, 10.993



4, 19.105, 359.409

Previews

White Background



This preview shows how the CIELCh color 75, 41.061, 163.830 looks on a white background.

Color Contrast Check

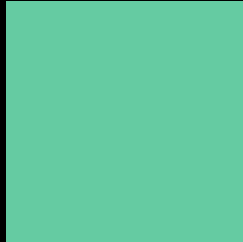
Large Text (above 18pt) WCAG AA × Fail

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, 41.061, 163.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

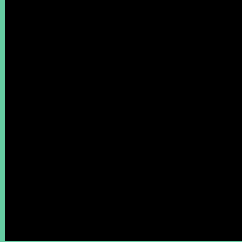
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 41.061, 163.830

Background



This preview shows how black text looks on a background with the CIELCh color 75, 41.061, 163.830.

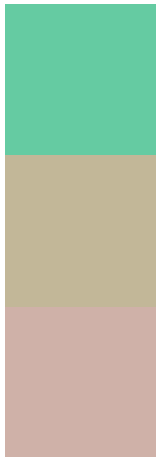


This preview shows how white text looks on a background with the CIELCh color 75, 41.061, 163.830.

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, 41.061, 163.830

Protanopia
75, 17.228, 93.806

Deuteranopia
75, 12.733, 42.505



Tritanopia
75, 25.827, 216.144

Trichromacy



Original Color
75, 41.061, 163.830



Protanomaly
74, 21.661, 140.268



Deuteranomaly
74, 13.274, 139.954



Tritanomaly
75, 28.263, 191.768

Monochromacy



Original Color
75, 41.061, 163.830



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 15.966, 167.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 41.061, 163.830 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(101, 203, 162)` looks like.

```
.text, #text, p{  
    color:rgb(101, 203, 162)  
}
```

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(101, 203, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 203, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 41.061, 163.830 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(101, 203, 162) }
```

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

```
.border{ border-color:rgb(101, 203, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 203, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 203, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 203, 162);  
box-shadow:4px 4px 4px 4px rgb(101, 203,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 41.061, 163.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 203, 162) }
```

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

```
.background{ background-color: rgb(101,  
203, 162) }
```

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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