

Converting Colors

CIELCh(75, 20.983, 285.874)

Have a look what the booklet for
CIELCh(75, 20.983, 285.874)
contains.

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Color

CIELCh(75, 21.141, 285.761)

Conversions

Conversions Part 1

Format	Color
Hex	B0B7DE
RGB	176, 183, 222
RGB Percent	69%, 72%, 87%
CMY	0.3104, 0.2830, 0.1301
CMYK	0.21, 0.18, 0.00, 0.13
HSL	231°, 41%, 78%
HSV	231°, 21%, 87%
XYZ	47.9319, 48.2781, 75.7836
YIQ	185.3530, -16.6910, 10.6450

Conversions

Conversions Part 2

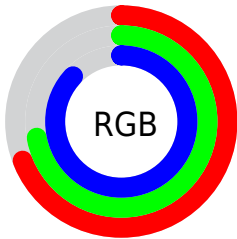
Format	Color
RYB	176, 182, 222
Decimal	11581406
CIELab	75.00, 5.74, -20.35
CIELCh	75, 21.141, 285.761
Yxy	48.2781, 0.2787, 0.2807
Android (android.graphics.Color)	4289771486 (0xFFB0B7DE)
YUV	185.3530, 18.0670, -8.2026
Hunter-Lab	69.4824, 1.5425, -16.0291

Details

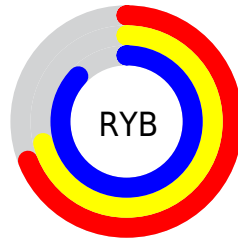
The CIELCh color **75, 21.141, 285.761** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86, 20.506, 100.825**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 8.529, 274.571**, and **55, 21.336, 286.192** is the 20% darker color. If you saturate the color by 10%, you get **69, 31.876, 287.366**, and if you desaturate by 10%, it is **81, 10.768, 284.392**.

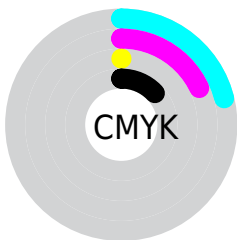
Distribution



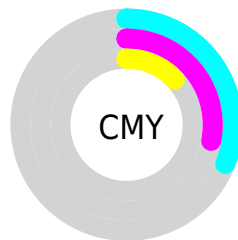
- Red (69%)
- Green (72%)
- Blue (87%)



- Red (69%)
- Yellow (71%)
- Blue (87%)



- Cyan (21%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)





- Cyan (31%)
- Magenta (28%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 21.141, 285.761 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, 21.141, 285.761 by changing the saturation by 10% instead.


 75, 21.141,
285.761


 75, 21.141,
285.761


 100, 21.141,
285.761


 65, 21.141,
285.761


 95, 21.141,
285.761

 55, 21.141,
285.761

 45, 21.141,
285.761

 35, 21.141,
285.761

 25, 21.141,
285.761

 15, 21.141,
285.761

 5, 21.141, 285.761

0, 21.141, 285.761

75, 21.141,
285.761

75, 21.141,
285.761

69, 31.876,
287.366

81, 10.768,
284.392

62, 43.010,
289.245

88, 0.733, 283.400

56, 54.571,
291.422

94, 8.990, 102.183

49, 66.556,
293.894

99, 16.774,
108.909

44, 78.858,
296.605

38, 91.124,
299.409

■ 34, 102.557,
302.060

■ 30, 111.336,
304.075

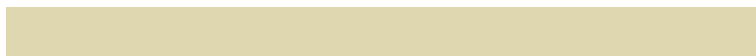
Harmonies

Complementary

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



75, 21.141, 285.761



86, 20.506, 100.825

Rectangle

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



75, 21.141, 285.761



75, 21.141, 335.761



75, 21.141, 105.761



75, 21.141, 155.761

Sweetspot

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



75, 21.139, 285.759



96, 6.694, 283.830



85, 16.446, 184.033



51, 4.444, 283.906



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, 21.139, 285.759



82, 28.755, 286.444



74, 25.570, 304.301



43, 5.631, 284.230



23, 91.526, 303.725



3, 26.499, 291.406

Inverse Universe

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



76, 17.993, 9.002



83, 24.587, 9.566



86, 24.604, 121.909



43, 4.724, 7.740



36, 71.650, 32.548



5, 23.722, 13.688

Previews

White Background



This preview shows how the CIELCh color 75, 21.141, 285.761 looks on a white background.

Color Contrast Check

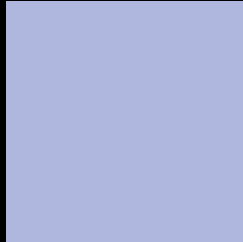
Large Text (above 18pt) WCAG AA × Fail

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 75, 21.141, 285.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

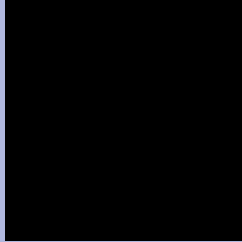
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 21.141, 285.761

Background



This preview shows how black text looks on a background with the CIELCh color 75, 21.141, 285.761.



This preview shows how white text looks on a background with the CIELCh color 75, 21.141, 285.761.

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, 21.141, 285.761

Protanopia

75, 21.141, 285.761

Deuteranopia

75, 22.796, 295.698



Tritanopia
75, 9.373, 259.273

Trichromacy



Original Color
75, 21.141, 285.761

Protanomaly
75, 21.141, 285.761

Deuteranomaly
75, 22.176, 292.241

Tritanomaly
75, 13.505, 273.531

Monochromacy



Original Color
75, 21.141, 285.761

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 7.585, 285.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 21.141, 285.761 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(176, 183, 222)` looks like.

```
.text, #text, p{  
    color:rgb(176, 183, 222)  
}
```

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(176, 183, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 183, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 21.141, 285.761 is called "border". The border property can be set on classes, ids or directly on the HTML element.

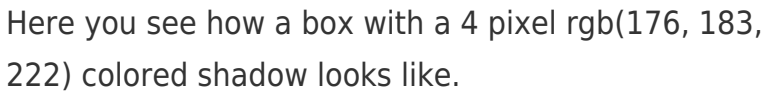
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 183, 222) }
```

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

```
.border{ border-color:rgb(176, 183, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 183, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 183, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 183, 222); box-shadow:4px 4px 4px 4px rgb(176, 183, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 21.141, 285.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 183, 222) }
```

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

```
.background{ background-color: rgb(176,  
183, 222) }
```

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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