

Converting Colors

CIELCh(75, 12.894, 144.735)

Have a look what the booklet for
CIELCh(75, 12.894, 144.735)
contains.

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Color

CIELCh(75, 12.749, 145.198)

Conversions

Conversions Part 1

Format	Color
Hex	AABEAB
RGB	170, 190, 171
RGB Percent	67%, 75%, 67%
CMY	0.3336, 0.2551, 0.3296
CMYK	0.11, 0.00, 0.10, 0.26
HSL	123°, 13%, 71%
HSV	123°, 11%, 74%
XYZ	42.3100, 48.2781, 45.5869
YIQ	181.8540, -5.8210, -10.1490

Conversions

Conversions Part 2

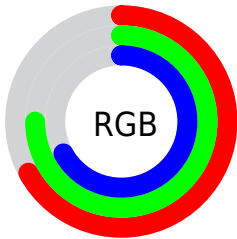
Format	Color
RYB	170, 189, 190
Decimal	11189931
CIELab	75.00, -10.47, 7.28
CIElCh	75, 12.749, 145.198
Yxy	48.2781, 0.3107, 0.3545
Android (android.graphics.Color)	4289380011 (0xFFAABEAB)
YUV	181.8540, -5.3510, -10.3960
Hunter-Lab	69.4824, -12.9001, 9.7380

Details

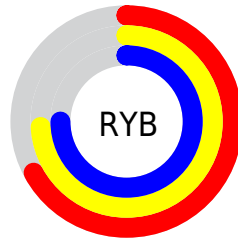
The CIELCh color **75, 12.749, 145.198** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 12.771, 326.374**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.757, 145.255**, and **55, 12.861, 145.068** is the 20% darker color. If you saturate the color by 10%, you get **73, 24.963, 144.482**, and if you desaturate by 10%, it is **77, 0.630, 146.191**.

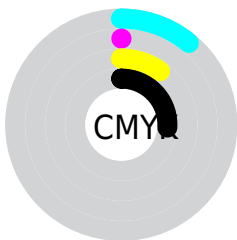
Distribution



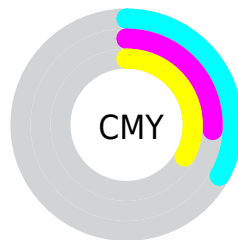
- Red (67%)
- Green (75%)
- Blue (67%)



- Red (67%)
- Yellow (74%)
- Blue (75%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (26%)





- Cyan (33%)
- Magenta (26%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.749, 145.198 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, 12.749, 145.198 by changing the saturation by 10% instead.


 75, 12.749,
145.198

 75, 12.749,
145.198


 100, 12.749,
145.198


 65, 12.749,
145.198


 95, 12.749,
145.198

 55, 12.749,
145.198

 45, 12.749,
145.198

 35, 12.749,
145.198

 25, 12.749,
145.198

 15, 12.749,
145.198

 5, 12.749, 145.198

0, 12.749, 145.198

75, 12.749,
145.198

75, 12.749,
145.198

73, 24.963,
144.482

77, 0.630, 146.191

72, 37.101,
143.653

79, 11.280,
326.267

71, 48.942,
142.698

81, 22.898,
326.714

70, 60.209,
141.616

83, 34.176,
327.089

69, 70.565,
140.429

85, 40.791,
325.839

68, 79.623,
139.195

■ 68, 86.959,
138.011

■ 67, 92.184,
137.010

■ 67, 95.075,
136.406

Harmonies

Complementary

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



75, 12.749, 145.198



72, 12.771, 326.374

Rectangle

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



75, 12.749, 145.198



75, 12.749, 195.198



75, 12.749, 325.198



75, 12.749, 15.198

Sweetspot

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



75, 12.751, 145.198



97, 4.471, 145.708



76, 10.710, 111.220



52, 3.420, 145.645



99, 0.012, 296.813



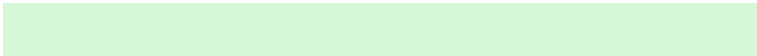
52, 0.007, 296.813

Same Dimension

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



75, 12.751, 145.198



94, 19.537, 145.016



75, 8.866, 165.572



39, 6.820, 145.277



57, 82.808, 136.503



9, 21.163, 145.327

Inverse Universe

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



72, 12.771, 326.374



89, 19.564, 326.528



72, 9.018, 347.310



37, 6.832, 326.305



37, 77.777, 330.300



3, 20.463, 327.241

Previews

White Background



This preview shows how the CIELCh color 75, 12.749, 145.198 looks on a white background.

Color Contrast Check

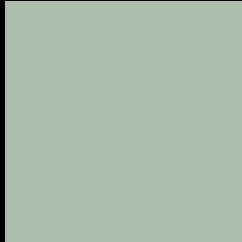
Large Text (above 18pt) WCAG AA × Fail

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, 12.749, 145.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

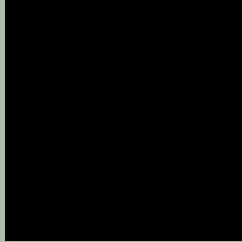
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

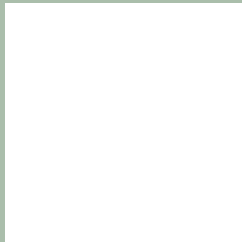
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 12.749, 145.198

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.749, 145.198.

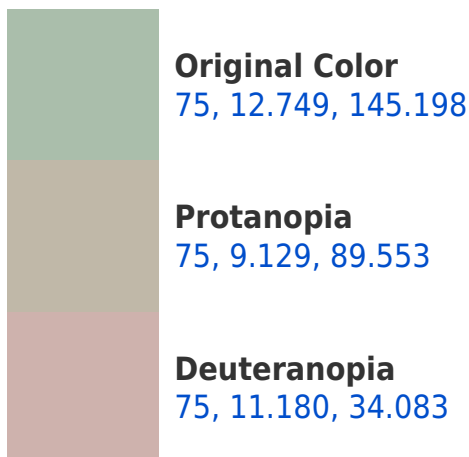


This preview shows how white text looks on a background with the CIELCh color 75, 12.749, 145.198.

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](#).

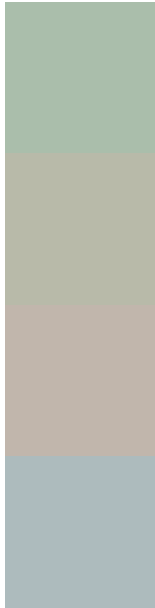
Dichromacy





Tritanopia
75, 8.421, 263.366

Trichromacy



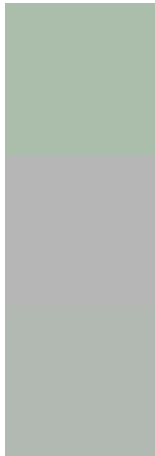
Original Color
75, 12.749, 145.198

Protanomaly
75, 9.171, 114.088

Deuteranomaly
75, 6.829, 71.461

Tritanomaly
75, 5.160, 211.220

Monochromacy



Original Color
75, 12.749, 145.198

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 4.613, 144.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.749, 145.198 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(170, 190, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 190, 171)  
}
```

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(170, 190, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 190, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.749, 145.198 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(170, 190, 171) }
```

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

```
.border{ border-color:rgb(170, 190, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 190, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 190, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 190, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 190,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.749, 145.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 190, 171) }
```

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

```
.background{ background-color: rgb(170,  
190, 171) }
```

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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