

Converting Colors

CIELCh(75, 12.907, 157.595)

Have a look what the booklet for
CIELCh(75, 12.907, 157.595)
contains.

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Color

CIELCh(75, 13.003, 156.900)

Conversions

Conversions Part 1

Format	Color
Hex	A5BFAF
RGB	165, 191, 175
RGB Percent	65%, 75%, 69%
CMY	0.3535, 0.2515, 0.3142
CMYK	0.14, 0.00, 0.08, 0.25
HSL	143°, 17%, 70%
HSV	143°, 14%, 75%
XYZ	41.8160, 48.2781, 47.6039
YIQ	181.4020, -10.3600, -10.4880

Conversions

Conversions Part 2

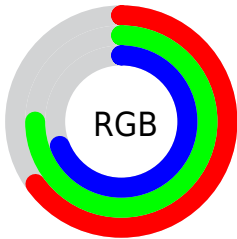
Format	Color
RYB	165, 184, 191
Decimal	10862511
CIELab	75.00, -11.96, 5.10
CIElCh	75, 13.003, 156.900
Yxy	48.2781, 0.3037, 0.3506
Android (android.graphics.Color)	4289052591 (0xFFA5BFAF)
YUV	181.4020, -3.1562, -14.3846
Hunter-Lab	69.4824, -14.1693, 8.0169

Details

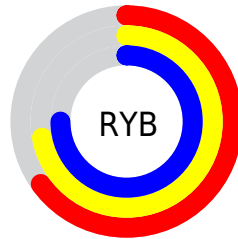
The CIELCh color **75, 13.003, 156.900** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 13.134, 338.915**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.641, 158.155**, and **55, 13.127, 157.241** is the 20% darker color. If you saturate the color by 10%, you get **74, 22.554, 155.998**, and if you desaturate by 10%, it is **77, 3.440, 157.760**.

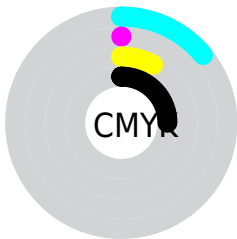
Distribution



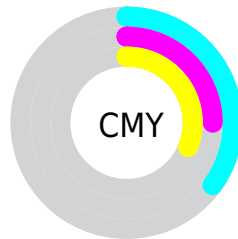
- Red (65%)
- Green (75%)
- Blue (69%)



- Red (65%)
- Yellow (72%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)





- Cyan (35%)
- Magenta (25%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 13.003, 156.900 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, 13.003, 156.900 by changing the saturation by 10% instead.


 75, 13.003,
156.900


 75, 13.003,
156.900


 100, 13.003,
156.900


 65, 13.003,
156.900


 95, 13.003,
156.900

 55, 13.003,
156.900

 45, 13.003,
156.900

 35, 13.003,
156.900

 25, 13.003,
156.900

 15, 13.003,
156.900

 5, 13.003, 156.900

0, 13.003, 156.900

75, 13.003,
156.900

75, 13.003,
156.900

74, 22.554,
155.998

77, 3.440, 157.760

72, 31.962,
154.982

78, 6.038, 338.299

71, 41.078,
153.825

80, 15.356,
338.963

70, 49.736,
152.502

82, 24.460,
339.540

69, 57.767,
150.992

84, 31.967,
337.561

69, 65.024,
149.284

85, 36.291,
330.398

85, 40.213,

■ 68, 71.401,
147.380

325.820

■ 68, 76.857,
145.312

■ 68, 79.952,
143.999

Harmonies

Complementary

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



75, 13.003, 156.900



70, 13.134, 338.915

Rectangle

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



75, 13.003, 156.900



75, 13.003, 206.900



75, 13.003, 336.900



75, 13.003, 26.900

Sweetspot

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



75, 13.005, 156.898



96, 4.692, 157.716



76, 14.456, 124.214



52, 3.364, 157.644



99, 0.012, 296.813



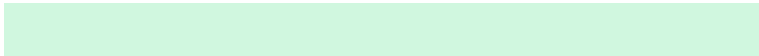
52, 0.007, 296.813

Same Dimension

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



75, 13.005, 156.898



94, 18.863, 156.671



75, 9.510, 188.772



39, 5.353, 157.258



57, 69.035, 144.332



9, 17.862, 152.997

Inverse Universe

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



70, 13.134, 338.915



87, 19.079, 339.130



70, 10.173, 10.957



37, 5.393, 338.571



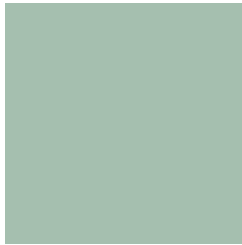
34, 61.709, 351.201



3, 15.032, 344.759

Previews

White Background



This preview shows how the CIELCh color 75, 13.003, 156.900 looks on a white background.

Color Contrast Check

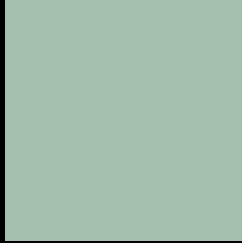
Large Text (above 18pt) WCAG AA × Fail

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, 13.003, 156.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

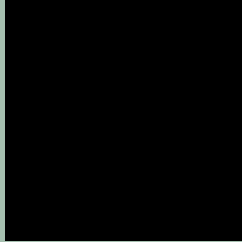
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

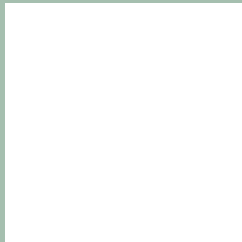
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 13.003, 156.900

Background



This preview shows how black text looks on a background with the CIELCh color 75, 13.003, 156.900.



This preview shows how white text looks on a background with the CIELCh color 75, 13.003, 156.900.

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, 13.003, 156.900

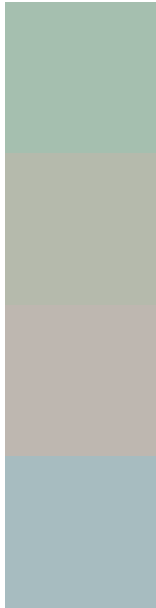
Protanopia
75, 7.475, 88.437

Deuteranopia
75, 10.375, 23.181



Tritanopia
75, 10.116, 252.524

Trichromacy



Original Color
75, 13.003, 156.900

Protanomaly
75, 7.780, 123.553

Deuteranomaly
75, 4.593, 74.456

Tritanomaly
75, 7.742, 215.164

Monochromacy



Original Color
75, 13.003, 156.900

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 4.957, 158.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 13.003, 156.900 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(165, 191, 175)` looks like.

```
.text, #text, p{  
    color:rgb(165, 191, 175)  
}
```

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(165, 191, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 191, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 13.003, 156.900 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(165, 191, 175) }
```

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

```
.border{ border-color:rgb(165, 191, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 191, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 191, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 191, 175); box-shadow:4px 4px 4px 4px rgb(165, 191, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 13.003, 156.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 191, 175) }
```

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

```
.background{ background-color: rgb(165,  
191, 175) }
```

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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