

Converting Colors

CIELCh(75, 9.672, 12.688)

Have a look what the booklet for
CIELCh(75, 9.672, 12.688) contains.

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Color

CIELCh(75, 9.570, 13.736)

Conversions

Conversions Part 1

Format	Color
Hex	CCB3B5
RGB	204, 179, 181
RGB Percent	80%, 70%, 71%
CMY	0.2009, 0.2989, 0.2911
CMYK	0.00, 0.12, 0.11, 0.20
HSL	355°, 20%, 75%
HSV	355°, 12%, 80%
XYZ	49.2274, 48.2781, 50.3156
YIQ	186.7030, 14.2580, 5.9220

Conversions

Conversions Part 2

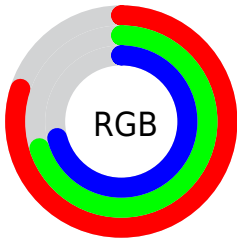
Format	Color
R _Y B	204, 179, 181
Decimal	13415349
CIE Lab	75.00, 9.30, 2.27
CIE LCh	75, 9.570, 13.736
Yxy	48.2781, 0.3330, 0.3266
Android (android.graphics.Color)	4291605429 (0xFFCCB3B5)
YUV	186.7030, -2.8116, 15.1695
Hunter-Lab	69.4824, 4.8707, 5.7030

Details

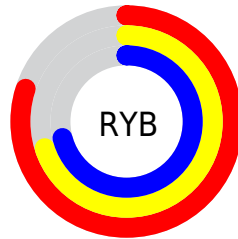
The CIELCh color $75, 9.570, 13.736$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $80, 8.955, 191.956$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 7.256, 11.715$, and $55, 9.840, 13.809$ is the 20% darker color. If you saturate the color by 10%, you get $69, 17.961, 14.803$, and if you desaturate by 10%, it is $81, 1.709, 12.644$.

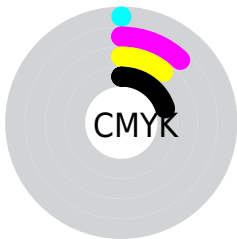
Distribution



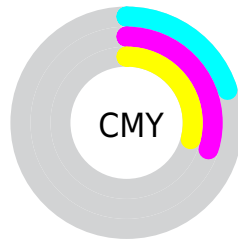
- Red (80%)
- Green (70%)
- Blue (71%)



- Red (80%)
- Yellow (70%)
- Blue (71%)



- Cyan (0%)
- Magenta (12%)
- Yellow (11%)
- Black (20%)



- Cyan (20%)
- Magenta (30%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 9.570, 13.736 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, 9.570, 13.736 by changing the saturation by 10% instead.

 75, 9.570, 13.736  75, 9.570, 13.736

 100, 9.570, 13.736  65, 9.570, 13.736

 95, 9.570, 13.736  55, 9.570, 13.736

 45, 9.570, 13.736

 35, 9.570, 13.736

 25, 9.570, 13.736

 15, 9.570, 13.736

 5, 9.570, 13.736

 0, 9.570, 13.736

 75, 9.570, 13.736  75, 9.570, 13.736

69, 17.961, 14.803

81, 1.709, 12.644

64, 26.858, 16.097

86, 5.628, 192.367

59, 36.166, 17.725

92, 12.474,
191.729

54, 45.709, 19.800

97, 16.945,
198.381

50, 55.225, 22.449

47, 64.394, 25.778

45, 72.890, 29.781

43, 80.322, 34.142

43, 85.002, 37.084

Harmonies

Complementary

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



75, 9.570, 13.736



80, 8.955, 191.956

Rectangle

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



75, 9.570, 13.736



75, 9.570, 63.736



75, 9.570, 193.736



75, 9.570, 243.736

Sweetspot

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



75, 9.568, 13.746



97, 3.641, 12.925



75, 15.902, 322.771



51, 2.594, 13.014



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, 9.568, 13.746



90, 14.179, 14.038



78, 7.864, 64.547



40, 4.386, 13.470



34, 72.369, 36.472



4, 17.969, 15.474

Inverse Universe

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



75, 9.568, 13.746



90, 14.179, 14.038



77, 7.505, 247.408



40, 4.386, 13.470



34, 72.369, 36.472



4, 17.969, 15.474

Previews

White Background



This preview shows how the CIELCh color 75, 9.570, 13.736 looks on a white background.

Color Contrast Check

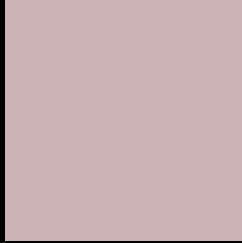
Large Text (above 18pt) WCAG AA × Fail

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, 9.570, 13.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

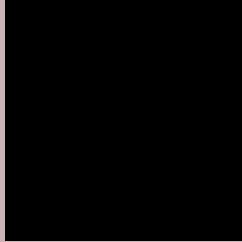
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 9.570, 13.736

Background



This preview shows how black text looks on a background with the CIELCh color 75, 9.570, 13.736.



This preview shows how white text looks on a background with the CIELCh color 75, 9.570, 13.736.

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, 9.570, 13.736

Protanopia

75, 1.491, 19.179

Deuteranopia

75, 9.570, 13.736



Tritanopia
75, 12.904, 344.782

Trichromacy



Original Color
75, 9.570, 13.736

Protanomaly
75, 4.544, 12.877

Deuteranomaly
75, 9.570, 13.736

Tritanomaly
75, 11.259, 354.918

Monochromacy



Original Color
75, 9.570, 13.736

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 3.416, 10.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 9.570, 13.736 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(204, 179, 181)` looks like.

```
.text, #text, p{  
    color:rgb(204, 179, 181)  
}
```

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(204, 179, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 179, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 9.570, 13.736 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(204, 179, 181) }
```

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

```
.border{ border-color:rgb(204, 179, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 179, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 179, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 179, 181);  
box-shadow:4px 4px 4px 4px rgb(204, 179,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 9.570, 13.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 179, 181) }
```

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

```
.background{ background-color: rgb(204,  
179, 181) }
```

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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