

Converting Colors

CIELCh(75, 16.326, 75.042)

Have a look what the booklet for
CIELCh(75, 16.326, 75.042) contains.

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Color

CIELCh(75, 16.338, 74.672)

Conversions

Conversions Part 1

Format	Color
Hex	CCB59C
RGB	204, 181, 156
RGB Percent	80%, 71%, 61%
CMY	0.2000, 0.2902, 0.3883
CMYK	0.00, 0.11, 0.24, 0.20
HSL	31°, 32%, 71%
HSV	31°, 24%, 80%
XYZ	47.4194, 48.2781, 38.2664
YIQ	185.0270, 21.7330, -2.8990

Conversions

Conversions Part 2

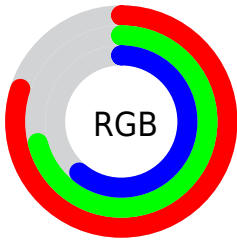
Format	Color
R _Y B	200, 204, 156
Decimal	13415836
CIE Lab	75.00, 4.32, 15.76
CIE LCh	75, 16.338, 74.672
Yxy	48.2781, 0.3540, 0.3604
Android (android.graphics.Color)	4291605916 (0xFFCCB59C)
YUV	185.0270, -14.3103, 16.6393
Hunter-Lab	69.4824, 0.2258, 15.9846

Details

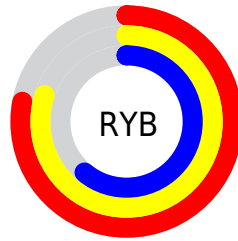
The CIELCh color $75, 16.338, 74.672$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $72, 15.467, 261.168$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 14.924, 82.325$, and $55, 16.076, 74.185$ is the 20% darker color. If you saturate the color by 10%, you get $72, 23.797, 73.396$, and if you desaturate by 10%, it is $78, 9.192, 75.936$.

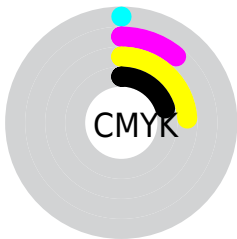
Distribution



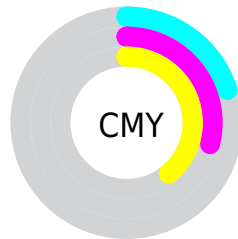
- Red (80%)
- Green (71%)
- Blue (61%)



- Red (78%)
- Yellow (80%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (24%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (39%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 16.338, 74.672 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, 16.338, 74.672 by changing the saturation by 10% instead.

 75, 16.338, 74.672

 75, 16.338, 74.672

 100, 16.338,
74.672

 65, 16.338, 74.672

 95, 16.338, 74.672

 55, 16.338, 74.672

 45, 16.338, 74.672

 35, 16.338, 74.672

 25, 16.338, 74.672

 15, 16.338, 74.672

 5, 16.338, 74.672

 0, 16.338, 74.672

 75, 16.338, 74.672

 75, 16.338, 74.672

72, 23.797, 73.396

78, 9.192, 75.936

69, 31.560, 72.091

81, 2.343, 77.068

67, 39.582, 70.760

84, 4.231, 258.517

64, 47.734, 69.380

87, 10.558,
259.642

61, 55.731, 67.882

90, 15.382,
257.550

59, 63.021, 66.117

57, 68.707, 63.805

93, 13.995,
233.522

55, 71.548, 62.071

95, 15.206,
209.478

97, 16.876,
198.386

Harmonies

Complementary

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



75, 16.338, 74.672



72, 15.467, 261.168

Rectangle

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



75, 16.338, 74.672



75, 16.338, 124.672



75, 16.338, 254.672



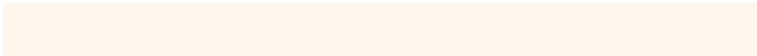
75, 16.338, 304.672

Sweetspot

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



75, 16.338, 74.681



97, 5.619, 76.705



69, 22.114, 346.689



52, 3.656, 76.635



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, 16.338, 74.681



90, 23.551, 74.063



81, 25.226, 108.627



41, 3.819, 76.437



45, 61.161, 62.671



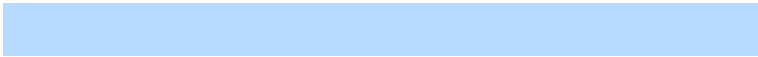
8, 14.364, 60.566

Inverse Universe

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



72, 15.467, 261.168



86, 22.014, 262.070



66, 26.655, 293.481



41, 3.748, 258.941



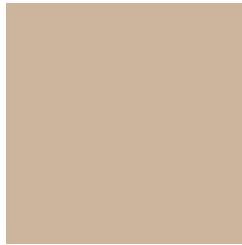
35, 54.086, 285.671



5, 15.542, 272.976

Previews

White Background



This preview shows how the CIELCh color 75, 16.338, 74.672 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, 16.338, 74.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

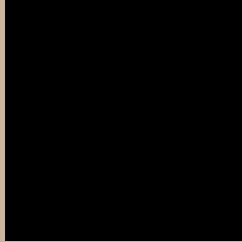
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 16.338, 74.672

Background



This preview shows how black text looks on a background with the CIELCh color 75, 16.338, 74.672.

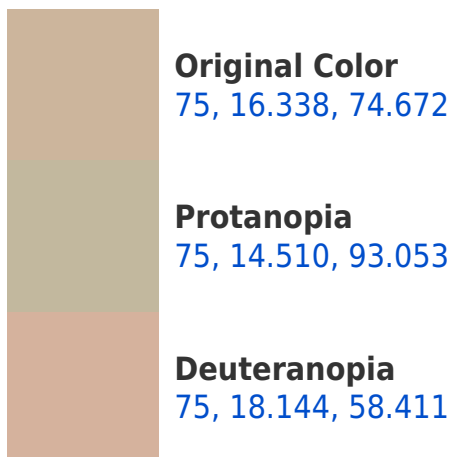


This preview shows how white text looks on a background with the CIELCh color 75, 16.338, 74.672.

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](#).

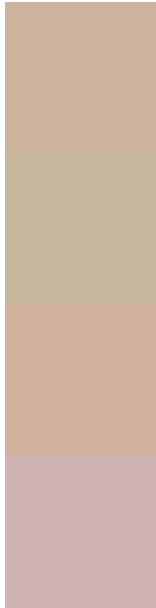
Dichromacy





Tritanopia
75, 14.166, 348.534

Trichromacy



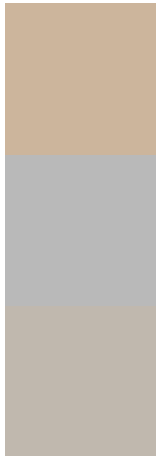
Original Color
75, 16.338, 74.672

Protanomaly
75, 15.199, 85.782

Deuteranomaly
75, 17.251, 63.035

Tritanomaly
75, 11.121, 20.298

Monochromacy



Original Color
75, 16.338, 74.672

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 6.168, 79.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 16.338, 74.672 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, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(204, 181, 156)  
}
```

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, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 181, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 16.338, 74.672 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, 181, 156) }
```

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

```
.border{ border-color:rgb(204, 181, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 181, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 181, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 181, 156);  
box-shadow:4px 4px 4px 4px rgb(204, 181,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 16.338, 74.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 181, 156) }
```

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

```
.background{ background-color: rgb(204,  
181, 156) }
```

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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