

Converting Colors

CIELCh(75, 31.312, 107.180)

Have a look what the booklet for
CIELCh(75, 31.312, 107.180)
contains.

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Color

CIELCh(75, 31.328, 107.172)

Conversions

Conversions Part 1

Format	Color
Hex	BCBC81
RGB	188, 188, 129
RGB Percent	74%, 74%, 51%
CMY	0.2625, 0.2625, 0.4939
CMYK	0.00, 0.00, 0.31, 0.26
HSL	60°, 31%, 62%
HSV	60°, 31%, 74%
XYZ	42.7167, 48.2781, 27.8563
YIQ	181.2740, 18.9390, -18.3490

Conversions

Conversions Part 2

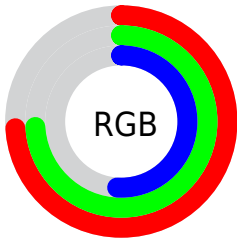
Format	Color
RYB	129, 188, 129
Decimal	12369025
CIELab	75.00, -9.25, 29.93
CIELCh	75, 31.328, 107.172
Yxy	48.2781, 0.3594, 0.4062
Android (android.graphics.Color)	4290559105 (0xFFBCBC81)
YUV	181.2740, -25.7711, 5.8987
Hunter-Lab	69.4824, -11.8553, 24.8677

Details

The CIELCh color **75, 31.328, 107.172** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56, 33.808, 294.051**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 31.465, 107.000**, and **55, 31.339, 107.147** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.921, 106.245**, and if you desaturate by 10%, it is **75, 21.470, 108.131**.

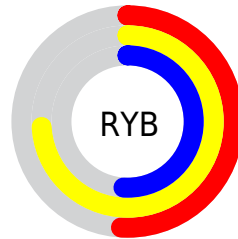
Distribution



Red (74%)

Green (74%)

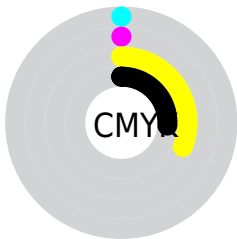
Blue (51%)



Red (51%)

Yellow (74%)

Blue (51%)

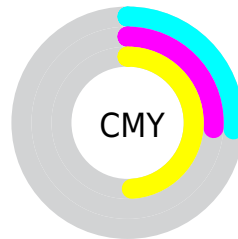


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 31.328, 107.172 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, 31.328, 107.172 by changing the saturation by 10% instead.


 75, 31.328,
107.172


 75, 31.328,
107.172


 100, 31.328,
107.172


 65, 31.328,
107.172


 95, 31.328,
107.172

 55, 31.328,
107.172

 45, 31.328,
107.172

 35, 31.328,
107.172

 25, 31.328,
107.172

 15, 31.328,
107.172

 5, 31.328, 107.172

75, 31.328,
107.172

75, 31.328,
107.172

75, 40.921,
106.245

75, 21.470,
108.131

74, 50.062,
105.364

76, 11.462,
109.091

74, 58.480,
104.564

76, 1.380, 110.006

77, 8.725, 290.992

74, 65.788,
103.881

77, 18.821,
291.894

74, 71.518,
103.356

78, 28.883,
292.765

74, 75.256,
103.019

78, 35.864,

■ 74, 77.086,
102.856

293.348

■ 78, 35.864,
293.349

■ 78, 35.864,
293.350

Harmonies

Complementary

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



75, 31.328, 107.172



56, 33.808, 294.051

Rectangle

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



75, 31.328, 107.172



75, 31.328, 157.172



75, 31.328, 287.172



75, 31.328, 337.172

Sweetspot

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



75, 31.329, 107.176



96, 11.238, 109.304



60, 24.607, 22.049



51, 7.805, 109.165



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



75, 31.329, 107.176



95, 46.702, 106.497



73, 33.654, 127.618



40, 5.728, 109.284



63, 67.797, 102.856



11, 16.898, 107.648

Inverse Universe

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



56, 33.808, 294.051



66, 51.517, 295.253



59, 35.156, 310.589



36, 5.854, 291.140



18, 93.615, 306.287



1, 17.439, 290.640

Previews

White Background



This preview shows how the CIELCh color 75, 31.328, 107.172 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, 31.328, 107.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

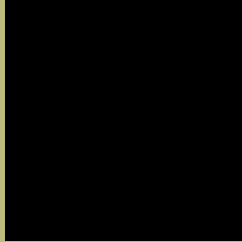
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 31.328, 107.172

Background



This preview shows how black text looks on a background with the CIELCh color 75, 31.328, 107.172.

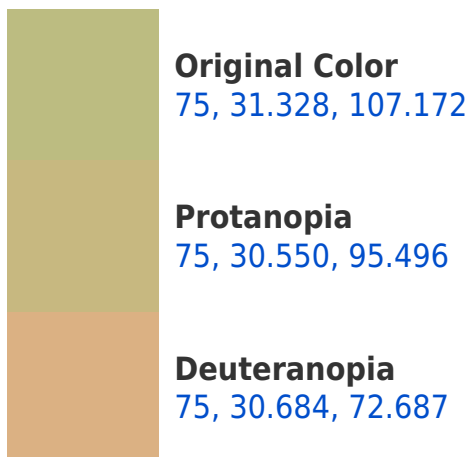



This preview shows how white text looks on a background with the CIELCh color 75, 31.328, 107.172.

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](#).

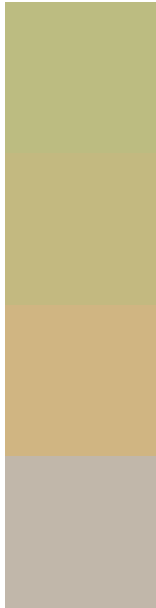
Dichromacy





Tritanopia
75, 9.629, 328.489

Trichromacy



Original Color
75, 31.328, 107.172

Protanomaly
75, 30.661, 99.468

Deuteranomaly
75, 29.678, 85.186

Tritanomaly
75, 7.973, 80.599

Monochromacy



Original Color
75, 31.328, 107.172

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 11.834, 109.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 31.328, 107.172 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(188, 188, 129)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 129)  
}
```

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(188, 188, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 31.328, 107.172 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(188, 188, 129) }
```

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

```
.border{ border-color:rgb(188, 188, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 188, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 129);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 31.328, 107.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 129) }
```

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

```
.background{ background-color: rgb(188,  
188, 129) }
```

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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