

Converting Colors

CIELCh(75, 33.317, 80.571)

Have a look what the booklet for
CIELCh(75, 33.317, 80.571) contains.

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Color

CIELCh(75, 33.409, 80.183)

Conversions

Conversions Part 1

Format	Color
Hex	D7B37C
RGB	215, 179, 124
RGB Percent	84%, 70%, 49%
CMY	0.1559, 0.2971, 0.5129
CMYK	0.00, 0.17, 0.42, 0.16
HSL	36°, 53%, 67%
HSV	36°, 42%, 84%
XYZ	47.9152, 48.2781, 25.9353
YIQ	183.4940, 39.1110, -9.4730

Conversions

Conversions Part 2

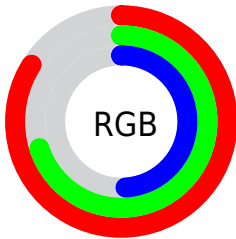
Format	Color
RYB	184, 215, 124
Decimal	14136188
CIELab	75.00, 5.70, 32.92
CIELCh	75, 33.409, 80.183
Yxy	48.2781, 0.3923, 0.3953
Android (android.graphics.Color)	4292326268 (0xFFD7B37C)
YUV	183.4940, -29.3305, 27.6308
Hunter-Lab	69.4824, 1.4997, 26.5069

Details

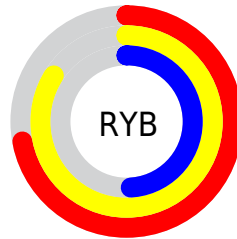
The CIELCh color **75, 33.409, 80.183** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **65, 31.938, 273.288**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 30.699, 93.006**, and **55, 33.284, 80.108** is the 20% darker color. If you saturate the color by 10%, you get **73, 41.778, 78.757**, and if you desaturate by 10%, it is **78, 25.164, 81.576**.

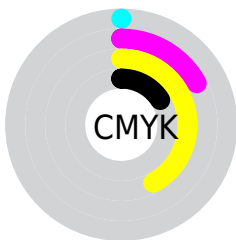
Distribution



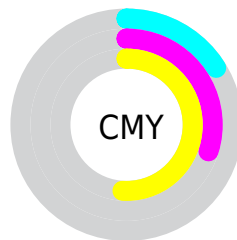
- Red (84%)
- Green (70%)
- Blue (49%)



- Red (72%)
- Yellow (84%)
- Blue (49%)



- Cyan (0%)
- Magenta (17%)
- Yellow (42%)
- Black (16%)



- Cyan (16%)
- Magenta (30%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 33.409, 80.183 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, 33.409, 80.183 by changing the saturation by 10% instead.

 75, 33.409, 80.183

 75, 33.409, 80.183

 100, 33.409,
80.183

 65, 33.409, 80.183

 95, 33.409, 80.183

 55, 33.409, 80.183

 45, 33.409, 80.183

 35, 33.409, 80.183

 25, 33.409, 80.183

 15, 33.409, 80.183

 5, 33.409, 80.183

 0, 33.409, 80.183

 75, 33.409, 80.183

 75, 33.409, 80.183

73, 41.778, 78.757

78, 25.164, 81.576

70, 50.104, 77.262

80, 17.116, 82.924

68, 58.060, 75.650

83, 9.294, 84.226

66, 65.060, 73.806

85, 1.698, 85.355

64, 70.233, 71.522

88, 5.680, 266.817

62, 72.859, 69.430

91, 12.858,
267.968

93, 11.331,
246.609

95, 11.359,
219.095

97, 13.333,
198.616

Harmonies

Complementary

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



75, 33.409, 80.183



65, 31.938, 273.288

Rectangle

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



75, 33.409, 80.183



75, 33.409, 130.183



75, 33.409, 260.183



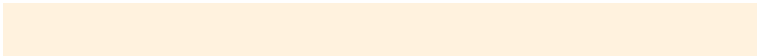
75, 33.409, 310.183

Sweetspot

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



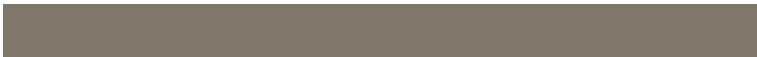
75, 33.409, 80.188



96, 11.296, 84.119



63, 39.968, 354.254



51, 7.931, 83.833



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, 33.409, 80.188



85, 46.719, 78.873



84, 46.762, 110.689



44, 4.256, 84.586



50, 61.280, 70.010



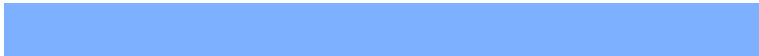
11, 17.490, 71.672

Inverse Universe

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



65, 31.938, 273.288



71, 44.340, 275.687



56, 52.124, 298.844



42, 4.225, 267.118



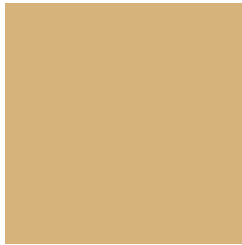
32, 64.843, 292.483



5, 19.759, 280.944

Previews

White Background



This preview shows how the CIELCh color 75, 33.409, 80.183 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 CIE LCh color 75, 33.409, 80.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

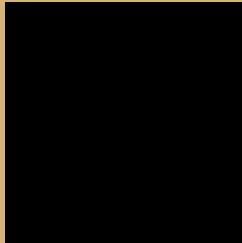
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 33.409, 80.183

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.409, 80.183.

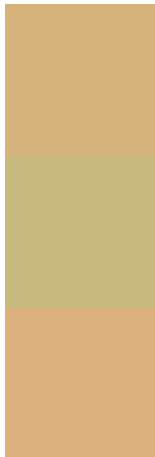


This preview shows how white text looks on a background with the CIELCh color 75, 33.409, 80.183.

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, 33.409, 80.183

Protanopia

75, 32.060, 95.889

Deuteranopia

75, 33.928, 74.116



Tritanopia
75, 19.876, 0.720

Trichromacy



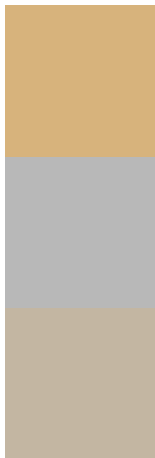
Original Color
75, 33.409, 80.183

Protanomaly
75, 32.504, 89.900

Deuteranomaly
75, 33.617, 76.325

Tritanomaly
75, 18.765, 40.662

Monochromacy



Original Color
75, 33.409, 80.183

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 11.911, 83.795

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.409, 80.183 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(215, 179, 124)` looks like.

```
.text, #text, p{  
    color:rgb(215, 179, 124)  
}
```

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(215, 179, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 179, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.409, 80.183 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(215, 179, 124) }
```

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

```
.border{ border-color:rgb(215, 179, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 179, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 179, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 179, 124);  
box-shadow:4px 4px 4px 4px rgb(215, 179,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.409, 80.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 179, 124) }
```

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

```
.background{ background-color: rgb(215,  
179, 124) }
```

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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