

Converting Colors

CIELCh(68, 42.942, 68.357)

Have a look what the booklet for
CIELCh(68, 42.942, 68.357) contains.

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Color

CIELCh(68, 42.799, 68.801)

Conversions

Conversions Part 1

Format	Color
Hex	D59A5E
RGB	213, 154, 94
RGB Percent	84%, 60%, 37%
CMY	0.1655, 0.3968, 0.6320
CMYK	0.00, 0.28, 0.56, 0.17
HSL	30°, 58%, 60%
HSV	30°, 56%, 83%
XYZ	40.9200, 37.9720, 15.7219
YIQ	164.8010, 54.4240, -6.1520

Conversions

Conversions Part 2

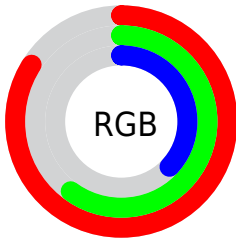
Format	Color
R _Y B	211, 213, 94
Decimal	13998686
CIE Lab	68.00, 15.48, 39.90
CIE LCh	68, 42.799, 68.801
Yxy	37.9720, 0.4325, 0.4013
Android (android.graphics.Color)	4292188766 (0xFFD59A5E)
YUV	164.8010, -34.9049, 42.2705
Hunter-Lab	61.6215, 10.6963, 28.0080

Details

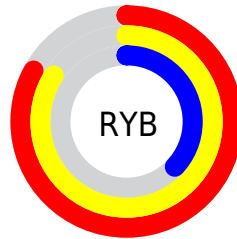
The CIELCh color **68, 42.799, 68.801** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **62, 36.539, 267.152**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 37.991, 76.771**, and **48, 42.939, 69.089** is the 20% darker color. If you saturate the color by 10%, you get **65, 51.299, 67.448**, and if you desaturate by 10%, it is **71, 34.418, 70.107**.

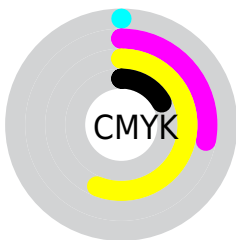
Distribution



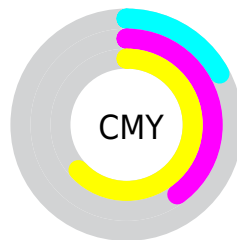
- Red (84%)
- Green (60%)
- Blue (37%)



- Red (83%)
- Yellow (84%)
- Blue (37%)



- Cyan (0%)
- Magenta (28%)
- Yellow (56%)
- Black (17%)



- Cyan (17%)
- Magenta (40%)
- Yellow (63%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 42.799, 68.801 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 68, 42.799, 68.801 by changing the saturation by 10% instead.

 68, 42.799, 68.801

 68, 42.799, 68.801

 100, 42.799,
68.801

 58, 42.799, 68.801

 88, 42.799, 68.801

 48, 42.799, 68.801

 98, 42.799, 68.801

 38, 42.799, 68.801

 28, 42.799, 68.801

 18, 42.799, 68.801

 8, 42.799, 68.801

 0, 42.799, 68.801

 68, 42.799, 68.801

 68, 42.799, 68.801

 65, 51.299, 67.448

 71, 34.418, 70.107

63, 59.577, 65.950

74, 26.314, 71.386

60, 66.967, 64.124

77, 18.546, 72.651

58, 72.465, 61.644

80, 11.125, 73.894

57, 74.376, 60.562

83, 4.035, 75.071

87, 2.750, 256.514

90, 9.258, 257.593

93, 11.960,
245.662

96, 12.357,
213.801

Harmonies

Complementary

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



68, 42.799, 68.801



62, 36.539, 267.152

Rectangle

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



68, 42.799, 68.801



68, 42.799, 118.801



68, 42.799, 248.801



68, 42.799, 298.801

Sweetspot

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



68, 42.799, 68.805



94, 13.810, 73.738



56, 53.939, 349.965



49, 9.281, 73.487



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 42.799, 68.805



77, 60.533, 67.195



83, 59.632, 104.949



43, 3.931, 74.674



46, 62.962, 61.182



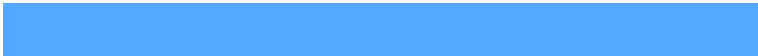
10, 17.039, 59.773

Inverse Universe

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



62, 36.539, 267.152



68, 50.245, 271.164



46, 70.140, 298.726



43, 3.848, 257.170



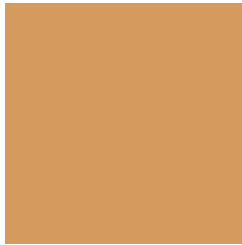
37, 53.649, 284.209



7, 17.302, 273.324

Previews

White Background



This preview shows how the CIELCh color 68, 42.799, 68.801 looks on a white background.

Color Contrast Check

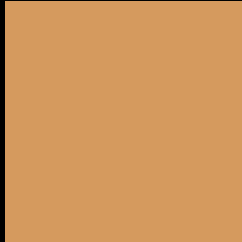
Large Text (above 18pt) WCAG AA × Fail

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 68, 42.799, 68.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

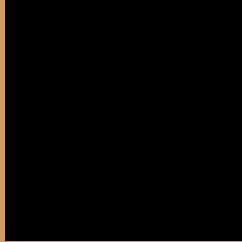
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 42.799, 68.801

Background



This preview shows how black text looks on a background with the CIELCh color 68, 42.799, 68.801.



This preview shows how white text looks on a background with the CIELCh color 68, 42.799, 68.801.

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
68, 42.799, 68.801

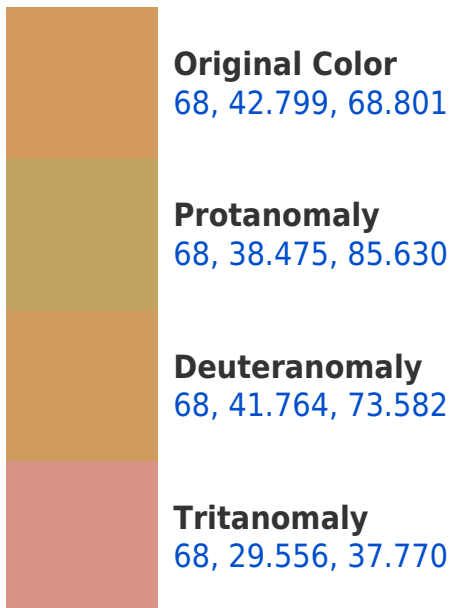
Protanopia
68, 37.351, 95.593

Deuteranopia
68, 41.069, 77.284



Tritanopia
68, 29.169, 10.640

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 42.799, 68.801 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(213, 154, 94)` looks like.

```
.text, #text, p{  
    color:rgb(213, 154, 94)  
}
```

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(213, 154, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 154, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 42.799, 68.801 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(213, 154, 94) }
```

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

```
.border{ border-color:rgb(213, 154, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 154, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 154, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 154, 94);  
box-shadow:4px 4px 4px 4px rgb(213, 154,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 42.799, 68.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 154, 94) }
```

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

```
.background{ background-color: rgb(213,  
154, 94) }
```

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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