

Converting Colors

CIELCh(68, 43.666, 87.969)

Have a look what the booklet for
CIELCh(68, 43.666, 87.969) contains.

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Color

CIELCh(68, 43.629, 88.006)

Conversions

Conversions Part 1

Format	Color
Hex	C1A356
RGB	193, 163, 86
RGB Percent	76%, 64%, 34%
CMY	0.2451, 0.3625, 0.6644
CMYK	0.00, 0.16, 0.56, 0.25
HSL	43°, 46%, 55%
HSV	43°, 56%, 75%
XYZ	36.5472, 37.9720, 14.1167
YIQ	163.1920, 42.5970, -17.5870

Conversions

Conversions Part 2

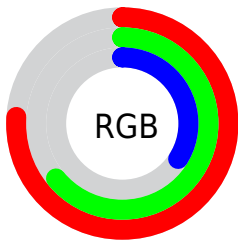
Format	Color
RYB	128, 193, 86
Decimal	12690262
CIELab	68.00, 1.52, 43.60
CIElCh	68, 43.629, 88.006
Yxy	37.9720, 0.4123, 0.4284
Android (android.graphics.Color)	4290880342 (0xFFC1A356)
YUV	163.1920, -38.0557, 26.1416
Hunter-Lab	61.6215, -1.9707, 29.5524

Details

The CIELCh color **68, 43.629, 88.006** 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 **50, 45.314, 285.368**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 43.634, 87.927**, and **48, 43.901, 88.230** is the 20% darker color. If you saturate the color by 10%, you get **66, 51.083, 86.591**, and if you desaturate by 10%, it is **70, 35.807, 89.377**.

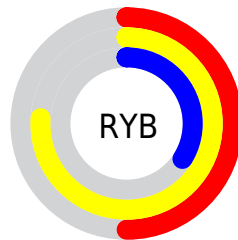
Distribution



Red (76%)

Green (64%)

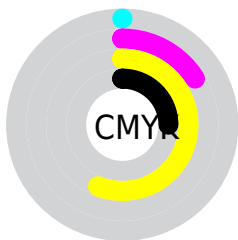
Blue (34%)



Red (50%)

Yellow (76%)

Blue (34%)

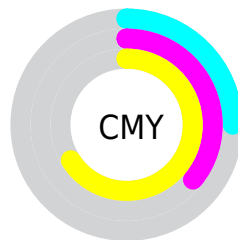


Cyan (0%)

Magenta (16%)

Yellow (56%)

Black (25%)



Cyan (25%)

Magenta (36%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 43.629, 88.006 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, 43.629, 88.006 by changing the saturation by 10% instead.

68, 43.629, 88.006

68, 43.629, 88.006

100, 43.629,
88.006

58, 43.629, 88.006

88, 43.629, 88.006

48, 43.629, 88.006

98, 43.629, 88.006

38, 43.629, 88.006

28, 43.629, 88.006

18, 43.629, 88.006

8, 43.629, 88.006

0, 43.629, 88.006

68, 43.629, 88.006

68, 43.629, 88.006

66, 51.083, 86.591

70, 35.807, 89.377

65, 57.762, 85.087

71, 27.854, 90.707

63, 63.049, 83.423

73, 19.904, 92.001

62, 66.253, 81.475

75, 12.026, 93.254

61, 67.295, 80.562

77, 4.254, 94.443

79, 3.400, 275.723

81, 10.933,
276.809

83, 18.346,
277.877

85, 23.709,
277.489

Harmonies

Complementary

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



68, 43.629, 88.006



50, 45.314, 285.368

Rectangle

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



68, 43.629, 88.006



68, 43.629, 138.006



68, 43.629, 268.006



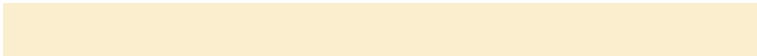
68, 43.629, 318.006

Sweetspot

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



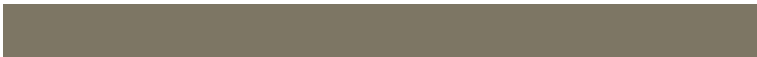
68, 43.629, 88.010



94, 16.273, 93.042



51, 46.041, 5.086



50, 10.899, 92.790



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 43.629, 88.010



84, 64.309, 86.224



74, 55.642, 115.141



40, 4.386, 94.001



52, 58.903, 80.909



9, 13.202, 84.942

Inverse Universe

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



50, 45.314, 285.368



57, 68.736, 288.999



44, 63.977, 303.833



38, 4.408, 276.351



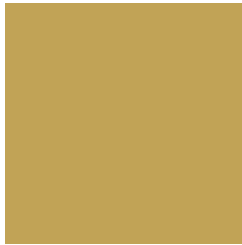
25, 74.180, 298.949



3, 15.742, 282.113

Previews

White Background



This preview shows how the CIELCh color 68, 43.629, 88.006 looks on a white background.

Color Contrast Check

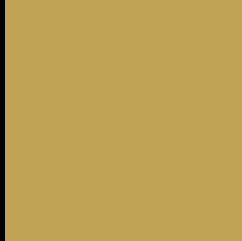
Large Text (above 18pt) WCAG AA × Fail

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 68, 43.629, 88.006 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, 43.629, 88.006

Background



This preview shows how black text looks on a background with the CIELCh color 68, 43.629, 88.006.

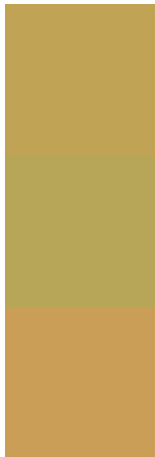


This preview shows how white text looks on a background with the CIELCh color 68, 43.629, 88.006.

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, 43.629, 88.006

Protanopia

68, 42.934, 95.690

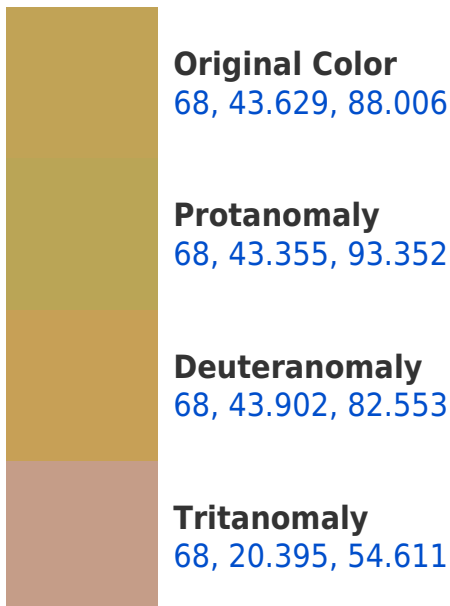
Deuteranopia

68, 43.868, 78.761



Tritanopia
68, 18.864, 2.713

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 43.629, 88.006 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(193, 163, 86)` looks like.

```
.text, #text, p{  
    color:rgb(193, 163, 86)  
}
```

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(193, 163, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 163, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 43.629, 88.006 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(193, 163, 86) }
```

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

```
.border{ border-color:rgb(193, 163, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 163, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 163, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 163, 86);  
box-shadow:4px 4px 4px 4px rgb(193, 163,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 43.629, 88.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 163, 86) }
```

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

```
.background{ background-color: rgb(193,  
163, 86) }
```

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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