

Converting Colors

CIELCh(68, 29.622, 70.195)

Have a look what the booklet for
CIELCh(68, 29.622, 70.195) contains.

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Color

CIELCh(68, 29.622, 70.195)

Conversions

Conversions Part 1

Format	Color
Hex	C89E74
RGB	200, 158, 116
RGB Percent	78%, 62%, 45%
CMY	0.2159, 0.3805, 0.5453
CMYK	0.00, 0.21, 0.42, 0.22
HSL	30°, 43%, 62%
HSV	30°, 42%, 78%
XYZ	39.1766, 37.9720, 21.7749
YIQ	165.7700, 38.5140, -4.1580

Conversions

Conversions Part 2

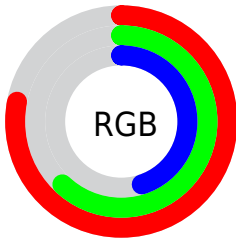
Format	Color
R _Y B	200, 200, 116
Decimal	13147764
CIE Lab	68.00, 10.04, 27.87
CIE LCh	68, 29.622, 70.195
Yxy	37.9720, 0.3960, 0.3839
Android (android.graphics.Color)	4291337844 (0xFFC89E74)
YUV	165.7700, -24.5366, 30.0197
Hunter-Lab	61.6215, 5.6460, 22.1840

Details

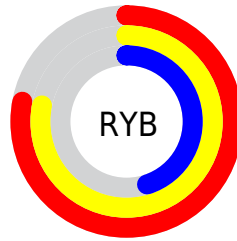
The CIELCh color **68, 29.622, 70.195** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **64, 26.273, 262.772**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 29.035, 72.890**, and **48, 29.674, 70.816** is the 20% darker color. If you saturate the color by 10%, you get **65, 37.497, 68.926**, and if you desaturate by 10%, it is **71, 22.047, 71.460**.

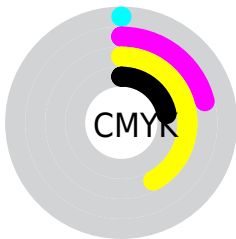
Distribution



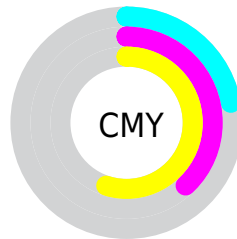
- Red (78%)
- Green (62%)
- Blue (45%)



- Red (78%)
- Yellow (78%)
- Blue (45%)



- Cyan (0%)
- Magenta (21%)
- Yellow (42%)
- Black (22%)



- Cyan (22%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 29.622, 70.195 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, 29.622, 70.195 by changing the saturation by 10% instead.

68, 29.622, 70.195

68, 29.622, 70.195

100, 29.622,
70.195

58, 29.622, 70.195

88, 29.622, 70.195

48, 29.622, 70.195

98, 29.622, 70.195

38, 29.622, 70.195

28, 29.622, 70.195

18, 29.622, 70.195

8, 29.622, 70.195

0, 29.622, 70.195

68, 29.622, 70.195

68, 29.622, 70.195

65, 37.497, 68.926

71, 22.047, 71.460

62, 45.572, 67.617

74, 14.803, 72.705

60, 53.609, 66.214

77, 7.889, 73.922

57, 61.128, 64.579

80, 1.283, 74.900

55, 67.291, 62.445

83, 5.040, 256.448

53, 71.054, 60.376

86, 11.110,
257.563

89, 16.562,
257.679

92, 15.049,
234.864

95, 16.083,
211.615

Harmonies

Complementary

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



68, 29.622, 70.195



64, 26.273, 262.772

Rectangle

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



68, 29.622, 70.195



68, 29.622, 120.195



68, 29.622, 250.195



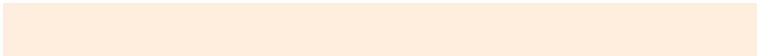
68, 29.622, 300.195

Sweetspot

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



68, 29.622, 70.201



95, 10.435, 73.781



59, 39.314, 347.874



50, 7.340, 73.511



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, 29.622, 70.201



82, 43.797, 69.092



79, 43.627, 106.169



40, 3.687, 74.231



44, 60.928, 60.979



7, 12.953, 57.469

Inverse Universe

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



64, 26.273, 262.772



76, 37.813, 265.075



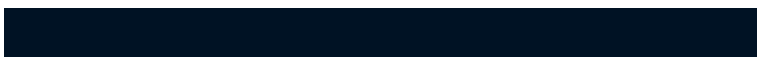
52, 48.688, 295.890



40, 3.608, 256.699



35, 51.248, 283.619



5, 14.020, 270.315

Previews

White Background



This preview shows how the CIELCh color 68, 29.622, 70.195 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, 29.622, 70.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

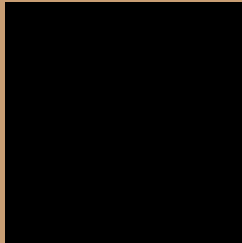
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 29.622, 70.195

Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.622, 70.195.



This preview shows how white text looks on a background with the CIELCh color 68, 29.622, 70.195.

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, 29.622, 70.195

Protanopia

68, 26.195, 95.439

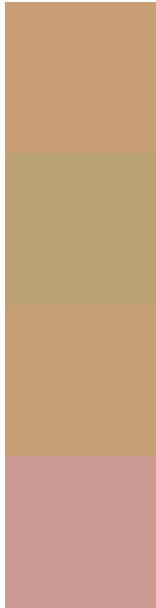
Deuteranopia

68, 29.218, 72.725



Tritanopia
68, 21.570, 5.438

Trichromacy



Original Color
68, 29.622, 70.195

Protanomaly
68, 26.724, 85.164

Deuteranomaly
68, 29.485, 72.055

Tritanomaly
68, 20.531, 33.370

Monochromacy



Original Color
68, 29.622, 70.195

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 10.185, 73.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 29.622, 70.195 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(200, 158, 116)` looks like.

```
.text, #text, p{  
    color:rgb(200, 158, 116)  
}
```

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(200, 158, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 158, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 29.622, 70.195 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(200, 158, 116) }
```

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

```
.border{ border-color:rgb(200, 158, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 158, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 158, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 158, 116);  
box-shadow:4px 4px 4px 4px rgb(200, 158,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 29.622, 70.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 158, 116) }
```

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

```
.background{ background-color: rgb(200,  
158, 116) }
```

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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