

Converting Colors

CIELCh(70, 35.804, 84.969)

Have a look what the booklet for
CIELCh(70, 35.804, 84.969) contains.

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Color

CIELCh(70, 35.816, 84.725)

Conversions

Conversions Part 1

Format	Color
Hex	C6A76A
RGB	198, 167, 106
RGB Percent	78%, 65%, 42%
CMY	0.2230, 0.3446, 0.5839
CMYK	0.00, 0.16, 0.46, 0.22
HSL	40°, 45%, 60%
HSV	40°, 46%, 78%
XYZ	39.7724, 40.7494, 19.4365
YIQ	169.3150, 38.0570, -12.3990

Conversions

Conversions Part 2

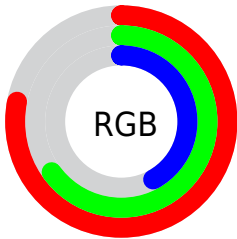
Format	Color
RYB	153, 198, 106
Decimal	13018986
CIELab	70.00, 3.29, 35.66
CIELCh	70, 35.816, 84.725
Yxy	40.7494, 0.3979, 0.4077
Android (android.graphics.Color)	4291209066 (0xFFC6A76A)
YUV	169.3150, -31.2143, 25.1567
Hunter-Lab	63.8353, -0.4977, 26.6321

Details

The CIELCh color **70, 35.816, 84.725** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **57, 35.526, 279.056**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 35.712, 85.547**, and **50, 35.739, 84.618** is the 20% darker color. If you saturate the color by 10%, you get **68, 43.694, 83.296**, and if you desaturate by 10%, it is **72, 27.893, 86.115**.

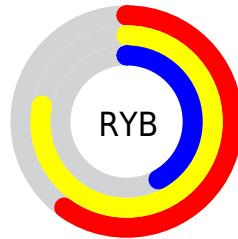
Distribution



Red (78%)

Green (65%)

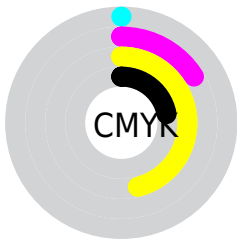
Blue (42%)



Red (60%)

Yellow (78%)

Blue (42%)

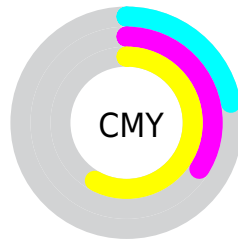


Cyan (0%)

Magenta (16%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (34%)

Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 35.816, 84.725 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 70, 35.816, 84.725 by changing the saturation by 10% instead.

 70, 35.816, 84.725

 70, 35.816, 84.725

 100, 35.816,
84.725

 60, 35.816, 84.725

 90, 35.816, 84.725

 50, 35.816, 84.725

 40, 35.816, 84.725

 30, 35.816, 84.725

 20, 35.816, 84.725

 10, 35.816, 84.725

 0, 35.816, 84.725

 70, 35.816, 84.725

 70, 35.816, 84.725

 68, 43.694, 83.296

 72, 27.893, 86.115

66, 51.295, 81.791

74, 20.045, 87.459

64, 58.204, 80.158

76, 12.331, 88.759

62, 63.766, 78.285

78, 4.773, 89.994

61, 67.238, 75.998

81, 2.623, 271.357

60, 68.238, 75.151

83, 9.861, 272.460

85, 16.952,
273.569

87, 19.238,
269.329

89, 17.056,
257.468

Harmonies

Complementary

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



70, 35.816, 84.725



57, 35.526, 279.056

Rectangle

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



70, 35.816, 84.725



70, 35.816, 134.725



70, 35.816, 264.725



70, 35.816, 314.725

Sweetspot

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



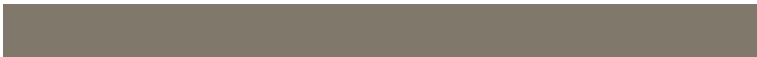
70, 35.816, 84.729



96, 12.855, 89.043



56, 40.209, 358.344



51, 8.897, 88.765



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 35.816, 84.729



86, 53.210, 83.238



77, 47.960, 112.663



41, 4.232, 89.642



50, 59.104, 75.596



9, 13.925, 78.250

Inverse Universe

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



57, 35.526, 279.056



66, 53.074, 281.833



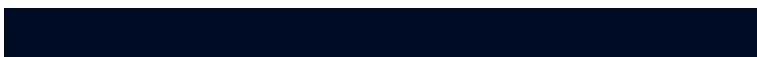
50, 53.960, 300.846



39, 4.230, 272.090



28, 68.965, 296.048



4, 16.601, 280.777

Previews

White Background



This preview shows how the CIELCh color 70, 35.816, 84.725 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 70, 35.816, 84.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

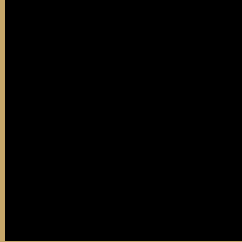
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 35.816, 84.725

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.816, 84.725.



This preview shows how white text looks on a background with the CIELCh color 70, 35.816, 84.725.

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

70, 35.816, 84.725

Protanopia

70, 34.635, 95.279

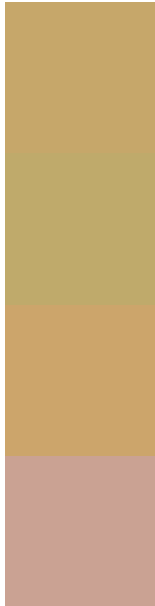
Deuteranopia

70, 36.555, 76.178



Tritanopia
70, 18.531, 0.594

Trichromacy



Original Color
70, 35.816, 84.725

Protanomaly
70, 35.205, 91.807

Deuteranomaly
70, 36.050, 78.879

Tritanomaly
70, 18.340, 46.900

Monochromacy



Original Color
70, 35.816, 84.725

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 12.946, 87.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.816, 84.725 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(198, 167, 106)` looks like.

```
.text, #text, p{  
    color:rgb(198, 167, 106)  
}
```

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(198, 167, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 167, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.816, 84.725 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(198, 167, 106) }
```

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

```
.border{ border-color:rgb(198, 167, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 167, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 167, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 167, 106);  
box-shadow:4px 4px 4px 4px rgb(198, 167,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.816, 84.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 167, 106) }
```

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

```
.background{ background-color: rgb(198,  
167, 106) }
```

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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