

Converting Colors

CIELCh(67, 33.688, 99.676)

Have a look what the booklet for
CIELCh(67, 33.688, 99.676) contains.

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Color

CIELCh(67, 33.366, 99.255)

Conversions

Conversions Part 1

Format	Color
Hex	AEA467
RGB	174, 164, 103
RGB Percent	68%, 64%, 40%
CMY	0.3168, 0.3560, 0.5953
CMYK	0.00, 0.06, 0.41, 0.32
HSL	52°, 31%, 54%
HSV	52°, 41%, 68%
XYZ	33.2742, 36.6320, 18.2004
YIQ	160.0360, 25.5410, -16.8510

Conversions

Conversions Part 2

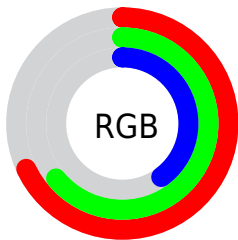
Format	Color
RYB	115, 174, 103
Decimal	11445351
CIELab	67.00, -5.37, 32.93
CIELCh	67, 33.366, 99.255
Yxy	36.6320, 0.3777, 0.4158
Android (android.graphics.Color)	4289635431 (0xFFAEA467)
YUV	160.0360, -28.1187, 12.2464
Hunter-Lab	60.5244, -7.7844, 24.5378

Details

The CIELCh color **67, 33.366, 99.255** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **49, 35.813, 289.681**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 33.427, 99.094**, and **47, 33.391, 99.016** is the 20% darker color. If you saturate the color by 10%, you get **66, 41.232, 98.137**, and if you desaturate by 10%, it is **68, 25.269, 100.381**.

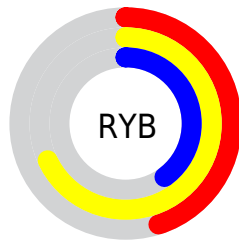
Distribution



Red (68%)

Green (64%)

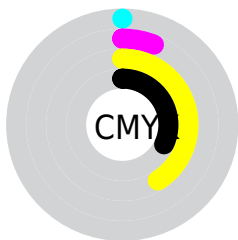
Blue (40%)



Red (45%)

Yellow (68%)

Blue (40%)

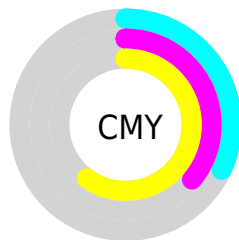


Cyan (0%)

Magenta (6%)

Yellow (41%)

Black (32%)



Cyan (32%)

Magenta (36%)

Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 33.366, 99.255 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 67, 33.366, 99.255 by changing the saturation by 10% instead.

 67, 33.366, 99.255

 67, 33.366, 99.255

 100, 33.366,
99.255

 57, 33.366, 99.255

 87, 33.366, 99.255

 47, 33.366, 99.255

 97, 33.366, 99.255

 37, 33.366, 99.255

 27, 33.366, 99.255

 17, 33.366, 99.255

 7, 33.366, 99.255

 0, 33.366, 99.255

 67, 33.366, 99.255

 67, 33.366, 99.255

 66, 41.232, 98.137

 68, 25.269,



Harmonies

Complementary

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



67, 33.366, 99.255



49, 35.813, 289.681

Rectangle

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



67, 33.366, 99.255



67, 33.366, 149.255



67, 33.366, 279.255



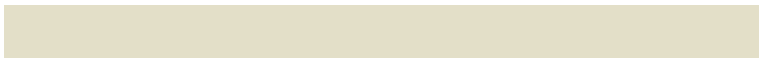
67, 33.366, 329.255

Sweetspot

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



67, 33.367, 99.259



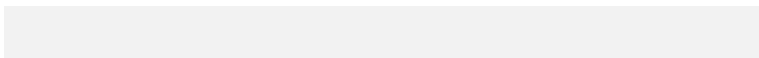
89, 12.215, 102.425



52, 30.460, 12.043



47, 8.170, 102.288



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 33.367, 99.259



84, 49.393, 98.238



68, 39.427, 121.508



36, 4.626, 102.736



54, 59.504, 93.000



6, 9.217, 100.572

Inverse Universe

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



49, 35.813, 289.681



58, 54.284, 291.584



49, 42.654, 306.293



34, 4.696, 284.797



19, 82.569, 303.769



1, 10.072, 285.073

Previews

White Background



This preview shows how the CIELCh color 67, 33.366, 99.255 looks on a white background.

Color Contrast Check

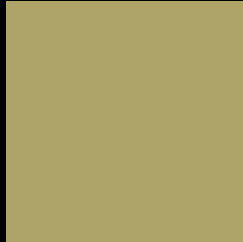
Large Text (above 18pt) WCAG AA × Fail

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 67, 33.366, 99.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

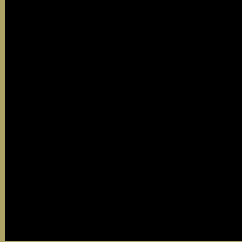
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 33.366, 99.255

Background



This preview shows how black text looks on a background with the CIELCh color 67, 33.366, 99.255.



This preview shows how white text looks on a background with the CIELCh color 67, 33.366, 99.255.

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


67, 33.366, 99.255

Protanopia

67, 33.261, 95.475

Deuteranopia

67, 33.344, 75.560



Tritanopia
67, 11.640, 345.898

Trichromacy



Original Color
67, 33.366, 99.255

Protanomaly
67, 33.172, 96.210

Deuteranomaly
67, 32.782, 84.305

Tritanomaly
67, 11.570, 65.172

Monochromacy



Original Color
67, 33.366, 99.255

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 12.709, 103.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 33.366, 99.255 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(174, 164, 103)` looks like.

```
.text, #text, p{  
    color:rgb(174, 164, 103)  
}
```

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(174, 164, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 164, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 33.366, 99.255 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(174, 164, 103) }
```

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

```
.border{ border-color:rgb(174, 164, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 164, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 164, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 164, 103);  
box-shadow:4px 4px 4px 4px rgb(174, 164,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 33.366, 99.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 164, 103) }
```

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

```
.background{ background-color: rgb(174,  
164, 103) }
```

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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