

Converting Colors

CIELCh(67, 4.384, 106.500)

Have a look what the booklet for
CIELCh(67, 4.384, 106.500) contains.

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Color

CIELCh(67, 4.415, 104.676)

Conversions

Conversions Part 1

Format	Color
Hex	A4A39B
RGB	164, 163, 155
RGB Percent	64%, 64%, 61%
CMY	0.3554, 0.3594, 0.3908
CMYK	0.00, 0.01, 0.05, 0.36
HSL	53°, 5%, 63%
HSV	53°, 5%, 64%
XYZ	34.4920, 36.6320, 36.4203
YIQ	162.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

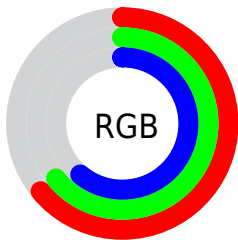
Format	Color
RYB	156, 164, 155
Decimal	10789787
CIELab	67.00, -1.12, 4.27
CIElCh	67, 4.415, 104.676
Yxy	36.6320, 0.3207, 0.3406
Android (android.graphics.Color)	4288979867 (0xFFA4A39B)
YUV	162.3870, -3.6418, 1.4146
Hunter-Lab	60.5244, -4.1928, 6.6895

Details

The CIELCh color $67, 4.415, 104.676$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 4.470, 285.878$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 4.701, 105.308$, and $47, 4.147, 103.827$ is the 20% darker color. If you saturate the color by 10%, you get $66, 12.502, 103.662$, and if you desaturate by 10%, it is $68, 3.654, 285.759$.

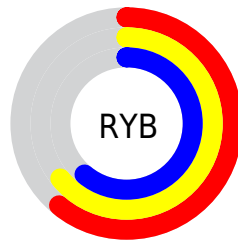
Distribution



Red (64%)

Green (64%)

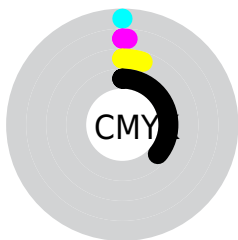
Blue (61%)



Red (61%)

Yellow (64%)

Blue (61%)

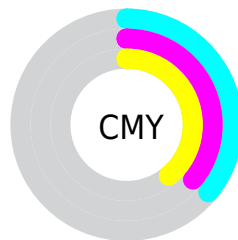


Cyan (0%)

Magenta (1%)

Yellow (5%)

Black (36%)



Cyan (36%)

Magenta (36%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 4.415, 104.676 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, 4.415, 104.676 by changing the saturation by 10% instead.

■ 67, 4.415, 104.676

■ 67, 4.415, 104.676

■ 100, 4.415,
104.676

■ 57, 4.415, 104.676

■ 87, 4.415, 104.676

■ 47, 4.415, 104.676

■ 97, 4.415, 104.676

■ 37, 4.415, 104.676

■ 27, 4.415, 104.676

■ 17, 4.415, 104.676

■ 7, 4.415, 104.676

■ 0, 4.415, 104.676

■ 67, 4.415, 104.676

■ 67, 4.415, 104.676

■ 66, 12.502,

■ 68, 3.654, 285.759

103.662

69, 11.688,
286.724

65, 20.567,
102.599

70, 19.672,
287.665

64, 28.552,
101.524

71, 27.599,
288.565

64, 36.357,
100.452

72, 35.463,
289.423

63, 43.824, 99.398

73, 43.262,
290.236

62, 50.698, 98.376

62, 56.608, 97.405

74, 42.788,
289.399

61, 61.079, 96.491

74, 41.777,
288.413

61, 63.706, 95.629

75, 40.778,
287.382

Harmonies

Complementary

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



67, 4.415, 104.676



65, 4.470, 285.878

Rectangle

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



67, 4.415, 104.676



67, 4.415, 154.676



67, 4.415, 284.676



67, 4.415, 334.676

Sweetspot

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



67, 4.416, 104.693



85, 1.993, 105.010



65, 3.530, 10.117



45, 1.131, 105.019



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



67, 4.416, 104.693



85, 7.005, 104.528



67, 5.141, 124.640



34, 3.630, 104.499



54, 59.085, 95.336



4, 6.847, 103.648

Inverse Universe

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



65, 4.470, 285.878



81, 7.102, 286.058



65, 5.201, 305.152



32, 3.681, 286.089



18, 82.318, 304.410



1, 7.163, 285.788

Previews

White Background



This preview shows how the CIELCh color 67, 4.415, 104.676 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 67, 4.415, 104.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

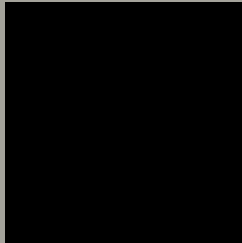
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

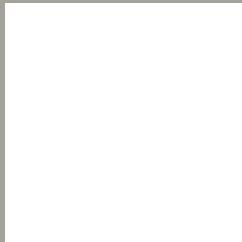
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 4.415, 104.676

Background



This preview shows how black text looks on a background with the CIELCh color 67, 4.415, 104.676.



This preview shows how white text looks on a background with the CIELCh color 67, 4.415, 104.676.

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, 4.415, 104.676

Protanopia

67, 4.489, 78.453

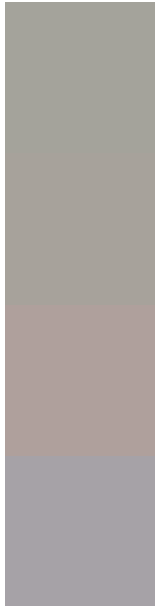
Deuteranopia

67, 9.032, 23.653



Tritanopia
67, 7.033, 309.355

Trichromacy



Original Color
67, 4.415, 104.676

Protanomaly
67, 4.301, 82.922

Deuteranomaly
67, 6.255, 40.379

Tritanomaly
67, 3.170, 318.883

Monochromacy



Original Color
67, 4.415, 104.676

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 1.646, 109.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 4.415, 104.676 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(164, 163, 155)` looks like.

```
.text, #text, p{  
    color:rgb(164, 163, 155)  
}
```

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(164, 163, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 163, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 4.415, 104.676 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(164, 163, 155) }
```

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

```
.border{ border-color:rgb(164, 163, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 163, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 163, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 163, 155);  
box-shadow:4px 4px 4px 4px rgb(164, 163,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 4.415, 104.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 163, 155) }
```

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

```
.background{ background-color: rgb(164,  
163, 155) }
```

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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