

Converting Colors

CIELCh(67, 19.244, 96.687)

Have a look what the booklet for
CIELCh(67, 19.244, 96.687) contains.

CIELCh(67, 19.012, 96.955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 19.012, 96.955)

Conversions

Conversions Part 1

Format	Color
Hex	ACA381
RGB	172, 163, 129
RGB Percent	67%, 64%, 51%
CMY	0.3248, 0.3601, 0.4935
CMYK	0.00, 0.05, 0.25, 0.32
HSL	47°, 21%, 59%
HSV	47°, 25%, 68%
XYZ	34.1498, 36.6320, 26.0954
YIQ	161.8150, 16.2780, -8.6660

Conversions

Conversions Part 2

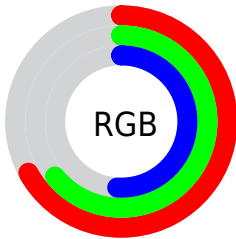
Format	Color
RYB	140, 172, 129
Decimal	11314049
CIELab	67.00, -2.30, 18.87
CIELCh	67, 19.012, 96.955
Yxy	36.6320, 0.3525, 0.3781
Android (android.graphics.Color)	4289504129 (0xFFACA381)
YUV	161.8150, -16.1778, 8.9322
Hunter-Lab	60.5244, -5.2023, 16.8039

Details

The CIELCh color $67, 19.012, 96.955$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $58, 19.510, 283.198$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 19.114, 96.963$, and $47, 18.538, 96.419$ is the 20% darker color. If you saturate the color by 10%, you get $66, 26.669, 95.758$, and if you desaturate by 10%, it is $68, 11.361, 98.132$.

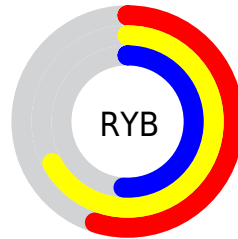
Distribution



Red (67%)

Green (64%)

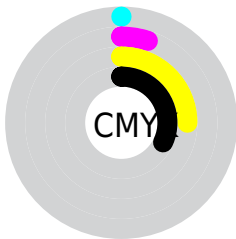
Blue (51%)



Red (55%)

Yellow (67%)

Blue (51%)

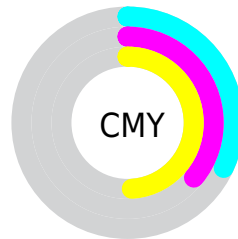


Cyan (0%)

Magenta (5%)

Yellow (25%)

Black (32%)



Cyan (32%)

Magenta (36%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 19.012, 96.955 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, 19.012, 96.955 by changing the saturation by 10% instead.

■ 67, 19.012, 96.955

■ 67, 19.012, 96.955

■ 100, 19.012,
96.955

■ 57, 19.012, 96.955

■ 87, 19.012, 96.955

■ 47, 19.012, 96.955

■ 97, 19.012, 96.955

■ 37, 19.012, 96.955

■ 27, 19.012, 96.955

■ 17, 19.012, 96.955

■ 7, 19.012, 96.955

■ 0, 19.012, 96.955

■ 67, 19.012, 96.955

■ 67, 19.012, 96.955

■ 66, 26.669, 95.758

■ 68, 11.361, 98.132

64, 34.251, 94.533

70, 3.755, 99.249

63, 41.624, 93.290

71, 3.783, 280.430

62, 48.558, 92.029

73, 11.243,
281.465

61, 54.683, 90.740

74, 18.620,
282.474

60, 59.472, 89.390

59, 62.366, 87.918

76, 25.915,
283.438

58, 63.432, 87.160

77, 33.128,
284.355

78, 34.060,
282.831

79, 32.270,
279.997

Harmonies

Complementary

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



67, 19.012, 96.955



58, 19.510, 283.198

Rectangle

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



67, 19.012, 96.955



67, 19.012, 146.955



67, 19.012, 276.955



67, 19.012, 326.955

Sweetspot

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



67, 19.013, 96.961



88, 6.558, 99.019



58, 18.078, 4.599



47, 4.258, 98.957



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



67, 19.013, 96.961



84, 28.360, 96.296



68, 23.884, 119.709



36, 4.307, 98.777



52, 57.496, 87.356



6, 8.392, 94.877

Inverse Universe

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



58, 19.510, 283.198



71, 29.303, 284.133



57, 25.091, 302.844



34, 4.352, 280.964



21, 77.039, 301.691



1, 9.487, 282.111

Previews

White Background



This preview shows how the CIELCh color 67, 19.012, 96.955 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, 19.012, 96.955 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, 19.012, 96.955

Background



This preview shows how black text looks on a background with the CIELCh color 67, 19.012, 96.955.



This preview shows how white text looks on a background with the CIELCh color 67, 19.012, 96.955.

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, 19.012, 96.955

Protanopia

67, 19.100, 95.733

Deuteranopia

67, 20.447, 66.219



Tritanopia
67, 9.820, 337.936

Trichromacy



Original Color
67, 19.012, 96.955

Protanomaly
67, 19.100, 95.733

Deuteranomaly
67, 19.145, 75.589

Tritanomaly
67, 6.482, 44.873

Monochromacy



Original Color
67, 19.012, 96.955

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 6.782, 96.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 19.012, 96.955 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(172, 163, 129)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 129)  
}
```

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(172, 163, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 19.012, 96.955 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(172, 163, 129) }
```

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

```
.border{ border-color:rgb(172, 163, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 129);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 19.012, 96.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 129) }
```

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

```
.background{ background-color: rgb(172,  
163, 129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor