

Converting Colors

CIELCh(69, 3.074, 101.655)

Have a look what the booklet for
CIELCh(69, 3.074, 101.655) contains.

CIELCh(69, 3.296, 103.164)	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(69, 3.296, 103.164)

Conversions

Conversions Part 1

Format	Color
Hex	AAA9A3
RGB	170, 169, 163
RGB Percent	67%, 66%, 64%
CMY	0.3350, 0.3389, 0.3624
CMYK	0.00, 0.01, 0.04, 0.34
HSL	51°, 4%, 65%
HSV	51°, 4%, 66%
XYZ	37.1663, 39.3444, 40.0861
YIQ	168.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

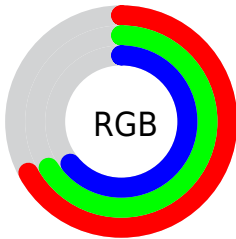
Format	Color
RYB	164, 170, 163
Decimal	11184547
CIELab	69.00, -0.75, 3.21
CIELCh	69, 3.296, 103.164
Yxy	39.3444, 0.3188, 0.3374
Android (android.graphics.Color)	4289374627 (0xFFAAA9A3)
YUV	168.6150, -2.7682, 1.2146
Hunter-Lab	62.7251, -4.0030, 6.0168

Details

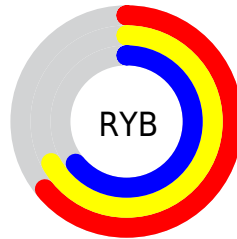
The CIELCh color **69, 3.296, 103.164** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 3.332, 284.134**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 3.125, 103.254**, and **49, 3.526, 103.001** is the 20% darker color. If you saturate the color by 10%, you get **68, 11.331, 102.138**, and if you desaturate by 10%, it is **70, 4.701, 284.288**.

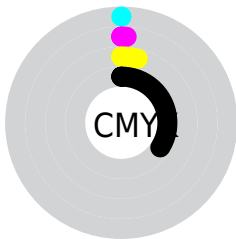
Distribution



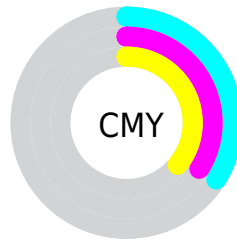
- Red (67%)
- Green (66%)
- Blue (64%)



- Red (64%)
- Yellow (67%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (4%)
- Black (34%)



- Cyan (34%)
- Magenta (34%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 3.296, 103.164 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 69, 3.296, 103.164 by changing the saturation by 10% instead.

■ 69, 3.296, 103.164

■ 69, 3.296, 103.164

■ 100, 3.296,
103.164

■ 59, 3.296, 103.164

■ 89, 3.296, 103.164

■ 49, 3.296, 103.164

■ 99, 3.296, 103.164

■ 39, 3.296, 103.164

■ 29, 3.296, 103.164

■ 19, 3.296, 103.164

■ 9, 3.296, 103.164

■ 0, 3.296, 103.164

■ 69, 3.296, 103.164

■ 69, 3.296, 103.164

■ 68, 11.331,

■ 70, 4.701, 284.288

102.138

71, 12.649,
285.276

67, 19.369,
101.041

72, 20.535,
286.235

66, 27.359, 99.925

74, 28.354,
287.151

65, 35.214, 98.802

75, 36.105,
288.022

63, 49.839, 96.578

76, 38.848,
287.615

63, 56.007, 95.498

76, 37.548,
286.117

62, 60.798, 94.440

77, 36.274,
284.519

61, 63.713, 93.387

78, 35.029,
282.815

Harmonies

Complementary

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



69, 3.296, 103.164



67, 3.332, 284.134

Rectangle

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



69, 3.296, 103.164



69, 3.296, 153.164



69, 3.296, 283.164



69, 3.296, 333.164

Sweetspot

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



69, 3.297, 103.188



87, 0.977, 103.411



67, 2.741, 7.319



46, 0.554, 103.408



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



69, 3.297, 103.188



87, 4.929, 103.093



69, 3.946, 123.471



35, 2.700, 103.044



53, 58.720, 92.895



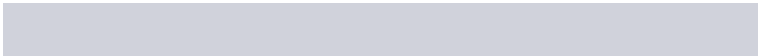
5, 7.819, 100.954

Inverse Universe

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



67, 3.332, 284.134



84, 4.983, 284.235



67, 3.989, 303.866



34, 2.730, 284.287



19, 81.344, 303.697



1, 8.415, 284.687

Previews

White Background



This preview shows how the CIELCh color 69, 3.296, 103.164 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 69, 3.296, 103.164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

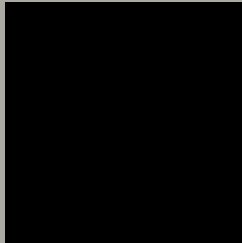
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

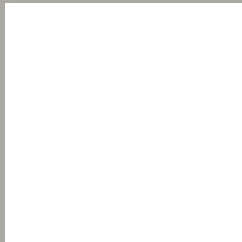
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 3.296, 103.164

Background



This preview shows how black text looks on a background with the CIELCh color 69, 3.296, 103.164.



This preview shows how white text looks on a background with the CIELCh color 69, 3.296, 103.164.

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

69, 3.296, 103.164

Protanopia

69, 3.788, 79.316

Deuteranopia

69, 8.934, 16.664



Tritanopia
69, 7.516, 308.031

Trichromacy



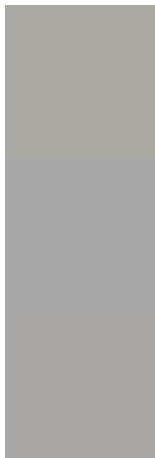
Original Color
69, 3.296, 103.164

Protanomaly
69, 3.610, 84.628

Deuteranomaly
69, 5.896, 30.498

Tritanomaly
69, 3.644, 314.767

Monochromacy



Original Color
69, 3.296, 103.164

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 1.149, 90.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 3.296, 103.164 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(170, 169, 163)` looks like.

```
.text, #text, p{  
    color:rgb(170, 169, 163)  
}
```

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(170, 169, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 169, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 3.296, 103.164 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(170, 169, 163) }
```

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

```
.border{ border-color:rgb(170, 169, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 169, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 169, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 169, 163);  
box-shadow:4px 4px 4px 4px rgb(170, 169,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 3.296, 103.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 169, 163) }
```

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

```
.background{ background-color: rgb(170,  
169, 163) }
```

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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