

Converting Colors

CIELCh(69, 67.315, 103.343)

Have a look what the booklet for
CIELCh(69, 67.315, 103.343)
contains.

CIELCh(69, 67.407, 103.362)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 67.407, 103.362)

Conversions

Conversions Part 1

Format	Color
Hex	AEAE20
RGB	174, 174, 32
RGB Percent	68%, 68%, 13%
CMY	0.3179, 0.3179, 0.8748
CMYK	0.00, 0.00, 0.82, 0.32
HSL	60°, 69%, 40%
HSV	60°, 82%, 68%
XYZ	32.8256, 39.3444, 7.2249
YIQ	157.8120, 45.5820, -44.1620

Conversions

Conversions Part 2

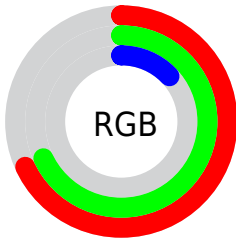
Format	Color
RYB	32, 174, 32
Decimal	11447840
CIELab	69.00, -15.58, 65.58
CIELCh	69, 67.407, 103.362
Yxy	39.3444, 0.4134, 0.4956
Android (android.graphics.Color)	4289637920 (0xFFFAEAE20)
YUV	157.8120, -62.0253, 14.1969
Hunter-Lab	62.7251, -16.3556, 37.0783

Details

The CIELCh color **69, 67.407, 103.362** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **25, 88.249, 303.990**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 67.480, 103.160**, and **49, 56.232, 105.296** is the 20% darker color. If you saturate the color by 10%, you get **69, 70.958, 103.025**, and if you desaturate by 10%, it is **69, 62.002, 103.889**.

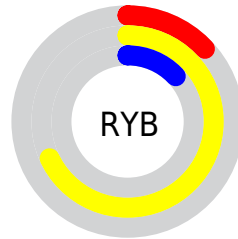
Distribution



Red (68%)

Green (68%)

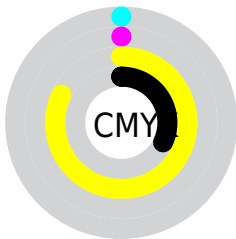
Blue (13%)



Red (13%)

Yellow (68%)

Blue (13%)

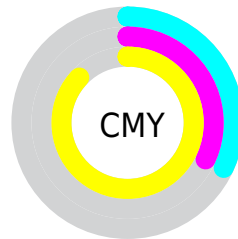


Cyan (0%)

Magenta (0%)

Yellow (82%)

Black (32%)



Cyan (32%)

Magenta (32%)

Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 67.407, 103.362 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, 67.407, 103.362 by changing the saturation by 10% instead.


 69, 67.407,
103.362


 69, 67.407,
103.362


 100, 67.407,
103.362

 59, 67.407,
103.362

 89, 67.407,
103.362

 49, 67.407,
103.362

 99, 67.407,
103.362

 39, 67.407,
103.362

 29, 67.407,
103.362

 19, 67.407,
103.362

 9, 67.407, 103.362

 0, 67.407, 103.362

■ 69, 67.407,
103.362

■ 69, 67.407,
103.362

■ 69, 70.958,
103.025

■ 69, 62.002,
103.889

■ 69, 72.746,
102.856

■ 69, 55.131,
104.569

■ 69, 47.228,
105.366

■ 70, 38.650,
106.242

■ 70, 29.651,
107.167

■ 70, 20.401,
108.117

■ 71, 11.011,
109.072

■ 71, 1.551, 109.989

Harmonies

Complementary

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



69, 67.407, 103.362



25, 88.249, 303.990

Rectangle

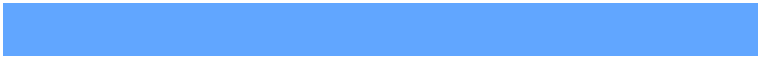
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 67.407, 103.362



69, 67.407, 153.362



69, 67.407, 283.362



69, 67.407, 333.362

Sweetspot

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



69, 67.407, 103.364



89, 28.046, 107.851



38, 66.760, 34.164



48, 19.383, 107.518



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



69, 67.407, 103.364



88, 88.371, 102.885



64, 74.276, 126.522



37, 5.341, 109.294



60, 65.376, 102.856



7, 11.345, 110.180

Inverse Universe

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



25, 88.249, 303.990



29, 121.612, 306.147



32, 83.799, 312.567



33, 5.457, 291.129



17, 90.272, 306.287



1, 11.347, 290.180

Previews

White Background



This preview shows how the CIELCh color 69, 67.407, 103.362 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 69, 67.407, 103.362 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, 67.407, 103.362

Background



This preview shows how black text looks on a background with the CIELCh color 69, 67.407, 103.362.



This preview shows how white text looks on a background with the CIELCh color 69, 67.407, 103.362.

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, 67.407, 103.362

Protanopia
69, 66.698, 95.130

Deuteranopia
69, 65.181, 82.235



Tritanopia
69, 11.274, 341.242

Trichromacy



Original Color
69, 67.407, 103.362

Protanomaly
69, 66.910, 98.305

Deuteranomaly
69, 64.812, 90.109

Tritanomaly
68, 24.303, 92.747

Monochromacy



Original Color
69, 67.407, 103.362

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 28.318, 107.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 67.407, 103.362 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, 174, 32)` looks like.

```
.text, #text, p{  
    color:rgb(174, 174, 32)  
}
```

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, 174, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 174, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 67.407, 103.362 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, 174, 32) }
```

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

```
.border{ border-color:rgb(174, 174, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 174, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 174, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 174, 32);  
box-shadow:4px 4px 4px 4px rgb(174, 174,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 67.407, 103.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 174, 32) }
```

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

```
.background{ background-color: rgb(174,  
174, 32) }
```

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