

Converting Colors

CIELCh(69, 37.517, 104.302)

Have a look what the booklet for
CIELCh(69, 37.517, 104.302)
contains.

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Color

CIELCh(69, 37.493, 104.366)

Conversions

Conversions Part 1

Format	Color
Hex	AFAC66
RGB	175, 172, 102
RGB Percent	69%, 67%, 40%
CMY	0.3155, 0.3272, 0.6017
CMYK	0.00, 0.02, 0.42, 0.32
HSL	58°, 31%, 54%
HSV	58°, 42%, 68%
XYZ	34.6189, 39.3444, 18.2298
YIQ	164.9170, 24.2580, -21.1340

Conversions

Conversions Part 2

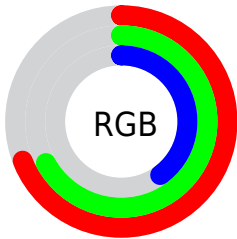
Format	Color
RYB	105, 175, 102
Decimal	11512934
CIELab	69.00, -9.30, 36.32
CIELCh	69, 37.493, 104.366
Yxy	39.3444, 0.3755, 0.4268
Android (android.graphics.Color)	4289703014 (0xFFAFAC66)
YUV	164.9170, -31.0181, 8.8428
Hunter-Lab	62.7251, -11.2522, 26.6761

Details

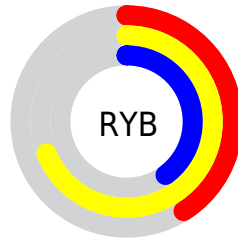
The CIELCh color $69, 37.493, 104.366$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $47, 41.407, 294.245$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $89, 37.437, 104.009$, and $49, 37.524, 104.450$ is the 20% darker color. If you saturate the color by 10%, you get $69, 45.854, 103.425$, and if you desaturate by 10%, it is $69, 28.758, 105.349$.

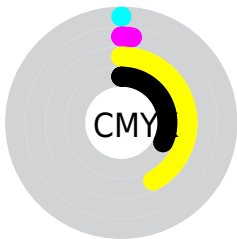
Distribution



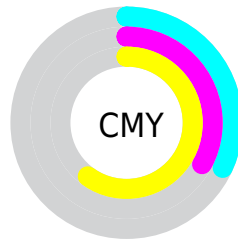
- Red (69%)
- Green (67%)
- Blue (40%)



- Red (41%)
- Yellow (69%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (42%)
- Black (32%)





- Cyan (32%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 37.493, 104.366 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, 37.493, 104.366 by changing the saturation by 10% instead.

 69, 37.493,
104.366


 69, 37.493,
104.366


 100, 37.493,
104.366


 59, 37.493,
104.366

 89, 37.493,
104.366

 49, 37.493,
104.366

 99, 37.493,
104.366

 39, 37.493,
104.366

 29, 37.493,
104.366

 19, 37.493,
104.366

 9, 37.493, 104.366

 0, 37.493, 104.366

69, 37.493,
104.366

69, 37.493,
104.366

69, 45.854,
103.425

69, 28.758,
105.349

68, 53.590,
102.542

70, 19.807,
106.344

68, 60.343,
101.751

71, 10.744,
107.336

68, 65.661,
101.083

71, 1.634, 108.280

67, 69.114,
100.560

72, 7.482, 289.292

67, 70.781,
100.217

73, 16.577,
290.214

73, 25.633,
291.103

74, 34.637,
291.952

■ 75, 41.625,
292.520

Harmonies

Complementary

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



69, 37.493, 104.366



47, 41.407, 294.245

Rectangle

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



69, 37.493, 104.366



69, 37.493, 154.366



69, 37.493, 284.366



69, 37.493, 334.366

Sweetspot

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



69, 37.494, 104.369



89, 14.650, 107.196



51, 31.604, 19.809



48, 10.331, 106.980



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, 37.494, 104.369



87, 54.879, 103.510



67, 41.391, 125.314



37, 5.127, 107.582



59, 63.472, 100.250



7, 10.670, 107.670

Inverse Universe

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



47, 41.407, 294.245



54, 62.470, 296.039



49, 44.262, 309.547



34, 5.230, 289.476



17, 88.235, 305.658



1, 10.968, 288.819

Previews

White Background



This preview shows how the CIELCh color 69, 37.493, 104.366 looks on a white background.

Color Contrast Check

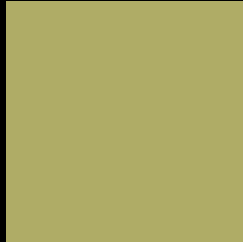
Large Text (above 18pt) WCAG AA × Fail

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, 37.493, 104.366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

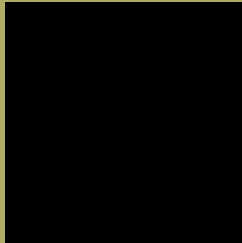
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 37.493, 104.366

Background



This preview shows how black text looks on a background with the CIELCh color 69, 37.493, 104.366.



This preview shows how white text looks on a background with the CIELCh color 69, 37.493, 104.366.

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, 37.493, 104.366

Protanopia

69, 37.284, 95.649

Deuteranopia

69, 36.691, 76.084



Tritanopia
69, 10.410, 337.129

Trichromacy



Original Color
69, 37.493, 104.366

Protanomaly
69, 36.939, 98.322

Deuteranomaly
69, 35.876, 86.820

Tritanomaly
69, 10.854, 78.284

Monochromacy



Original Color
69, 37.493, 104.366

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 14.229, 107.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 37.493, 104.366 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(175, 172, 102)` looks like.

```
.text, #text, p{  
    color:rgb(175, 172, 102)  
}
```

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(175, 172, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 172, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 37.493, 104.366 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(175, 172, 102) }
```

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

```
.border{ border-color:rgb(175, 172, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 172, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 172, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 172, 102);  
box-shadow:4px 4px 4px 4px rgb(175, 172,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 37.493, 104.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 172, 102) }
```

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

```
.background{ background-color: rgb(175,  
172, 102) }
```

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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