

Converting Colors

CIELCh(67, 36.086, 106.388)

Have a look what the booklet for
CIELCh(67, 36.086, 106.388)
contains.

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Color

CIELCh(67, 36.086, 106.388)

Conversions

Conversions Part 1

Format	Color
Hex	A7A764
RGB	167, 167, 100
RGB Percent	65%, 65%, 39%
CMY	0.3462, 0.3462, 0.6089
CMYK	0.00, 0.00, 0.40, 0.35
HSL	60°, 28%, 52%
HSV	60°, 40%, 65%
XYZ	31.9288, 36.6320, 17.3765
YIQ	159.3620, 21.5070, -20.8370

Conversions

Conversions Part 2

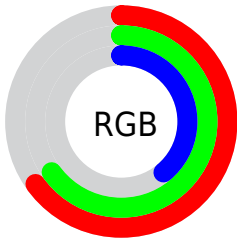
Format	Color
RYB	100, 167, 100
Decimal	10987364
CIELab	67.00, -10.18, 34.62
CIELCh	67, 36.086, 106.388
Yxy	36.6320, 0.3715, 0.4263
Android (android.graphics.Color)	4289177444 (0xFFA7A764)
YUV	159.3620, -29.2655, 6.6985
Hunter-Lab	60.5244, -11.7524, 25.3450

Details

The CIELCh color $67, 36.086, 106.388$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 39.962, 295.469$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 36.019, 106.491$, and $47, 36.145, 105.944$ is the 20% darker color. If you saturate the color by 10%, you get $67, 44.453, 105.508$, and if you desaturate by 10%, it is $67, 27.347, 107.318$.

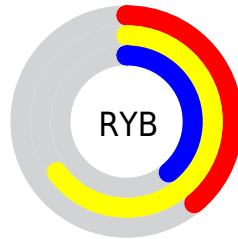
Distribution



Red (65%)

Green (65%)

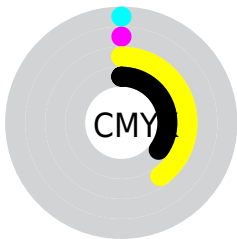
Blue (39%)



Red (39%)

Yellow (65%)

Blue (39%)

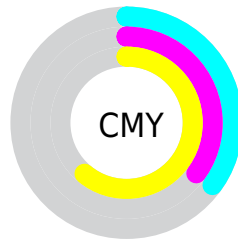


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (35%)



Cyan (35%)


Magenta (35%)

Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 36.086, 106.388 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, 36.086, 106.388 by changing the saturation by 10% instead.

 67, 36.086,
106.388


 67, 36.086,
106.388


 100, 36.086,
106.388


 57, 36.086,
106.388


 87, 36.086,
106.388

 47, 36.086,
106.388

 97, 36.086,
106.388

 37, 36.086,
106.388

 27, 36.086,
106.388

 17, 36.086,
106.388

 7, 36.086, 106.388

 0, 36.086, 106.388

67, 36.086,
106.388

67, 36.086,
106.388

67, 44.453,
105.508

67, 27.347,
107.318

67, 52.216,
104.699

68, 18.385,
108.267

66, 59.049,
103.999

68, 9.300, 109.218

66, 64.542,
103.447

68, 0.155, 109.807

69, 9.006, 291.097

66, 68.302,
103.076

69, 18.155,
291.989

66, 70.500,
102.862

70, 27.273,
292.847

71, 36.344,
293.668

■ 71, 45.358,
294.447

Harmonies

Complementary

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



67, 36.086, 106.388



45, 39.962, 295.469

Rectangle

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



67, 36.086, 106.388



67, 36.086, 156.388



67, 36.086, 286.388



67, 36.086, 336.388

Sweetspot

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



67, 36.087, 106.391



86, 13.569, 109.025



50, 29.424, 23.232



46, 9.070, 108.908



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



67, 36.087, 106.391



85, 52.759, 105.620



65, 38.876, 127.217



36, 5.211, 109.302



59, 64.564, 102.862



6, 9.557, 110.186

Inverse Universe

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



45, 39.962, 295.469



52, 60.189, 297.093



48, 41.152, 311.046



32, 5.323, 291.128



16, 89.150, 306.288



0, 9.559, 290.183

Previews

White Background



This preview shows how the CIELCh color 67, 36.086, 106.388 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, 36.086, 106.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

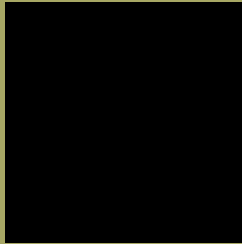
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 36.086, 106.388

Background



This preview shows how black text looks on a background with the CIELCh color 67, 36.086, 106.388.



This preview shows how white text looks on a background with the CIELCh color 67, 36.086, 106.388.

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, 36.086, 106.388

Protanopia
67, 35.834, 95.938

Deuteranopia
67, 35.011, 76.063



Tritanopia
67, 9.673, 332.378

Trichromacy



Original Color
67, 36.086, 106.388

Protanomaly
67, 35.437, 99.428

Deuteranomaly
67, 34.238, 87.380

Tritanomaly
67, 9.842, 82.736

Monochromacy



Original Color
67, 36.086, 106.388

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 13.757, 108.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 36.086, 106.388 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(167, 167, 100)` looks like.

```
.text, #text, p{  
    color:rgb(167, 167, 100)  
}
```

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(167, 167, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 167, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 36.086, 106.388 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(167, 167, 100) }
```

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

```
.border{ border-color:rgb(167, 167, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 167, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 167, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 167, 100);  
box-shadow:4px 4px 4px 4px rgb(167, 167,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 36.086, 106.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 167, 100) }
```

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

```
.background{ background-color: rgb(167,  
167, 100) }
```

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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