

Converting Colors

CIELCh(66, 35.597, 102.480)

Have a look what the booklet for
CIELCh(66, 35.597, 102.480)
contains.

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Color

CIELCh(66, 35.767, 102.897)

Conversions

Conversions Part 1

Format	Color
Hex	A8A361
RGB	168, 163, 97
RGB Percent	66%, 64%, 38%
CMY	0.3417, 0.3612, 0.6200
CMYK	0.00, 0.03, 0.42, 0.34
HSL	56°, 29%, 52%
HSV	56°, 42%, 66%
XYZ	31.3502, 35.3238, 16.4474
YIQ	156.9710, 24.1660, -19.4660

Conversions

Conversions Part 2

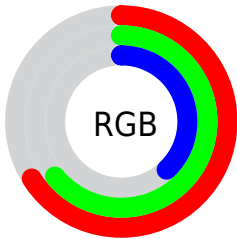
Format	Color
RYB	102, 168, 97
Decimal	11051873
CIELab	66.00, -7.98, 34.86
CIElCh	66, 35.767, 102.897
Yxy	35.3238, 0.3772, 0.4250
Android (android.graphics.Color)	4289241953 (0xFFA8A361)
YUV	156.9710, -29.5657, 9.6724
Hunter-Lab	59.4338, -9.8538, 25.1961

Details

The CIELCh color $66, 35.767, 102.897$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 39.273, 293.125$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 35.704, 103.249$, and $46, 35.779, 102.844$ is the 20% darker color. If you saturate the color by 10%, you get $65, 43.697, 101.909$, and if you desaturate by 10%, it is $67, 27.504, 103.918$.

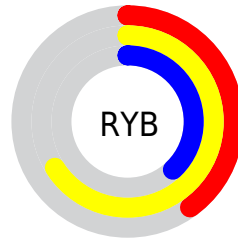
Distribution



Red (66%)

Green (64%)

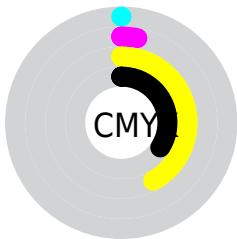
Blue (38%)



Red (40%)

Yellow (66%)

Blue (38%)

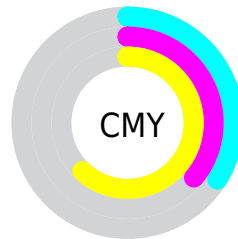


Cyan (0%)

Magenta (3%)

Yellow (42%)

Black (34%)



Cyan (34%)


Magenta (36%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 35.767, 102.897 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 66, 35.767, 102.897 by changing the saturation by 10% instead.


 66, 35.767,
102.897


 66, 35.767,
102.897


 100, 35.767,
102.897


 56, 35.767,
102.897


 86, 35.767,
102.897

 46, 35.767,
102.897

 96, 35.767,
102.897

 36, 35.767,
102.897

 26, 35.767,
102.897

 16, 35.767,
102.897

 6, 35.767, 102.897

 0, 35.767, 102.897

66, 35.767,
102.897

66, 35.767,
102.897

65, 43.697,
101.909

67, 27.504,
103.918

65, 51.054,
100.966

67, 19.056,
104.944

65, 57.495,
100.095

68, 10.519,
105.961

64, 62.570, 99.321

69, 1.950, 106.931

64, 65.839, 98.657

69, 6.613, 287.963

63, 67.383, 98.201

70, 15.147,
288.901

71, 23.637,
289.806

72, 32.074,
290.671

■ 73, 40.450,
291.494

Harmonies

Complementary

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



66, 35.767, 102.897



45, 39.273, 293.125

Rectangle

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



66, 35.767, 102.897



66, 35.767, 152.897



66, 35.767, 282.897



66, 35.767, 332.897

Sweetspot

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



66, 35.768, 102.900



86, 13.833, 105.865



49, 30.848, 17.363



45, 9.664, 105.649



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 35.768, 102.900



83, 53.001, 101.943



65, 40.223, 124.043



35, 4.855, 106.262



56, 61.425, 98.252



6, 8.644, 105.942

Inverse Universe

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



45, 39.273, 293.125



53, 60.021, 295.084



47, 43.252, 308.510



33, 4.945, 288.194



17, 85.684, 305.188



1, 8.984, 287.640

Previews

White Background



This preview shows how the CIELCh color 66, 35.767, 102.897 looks on a white background.

Color Contrast Check

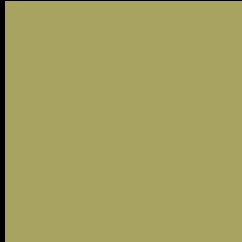
Large Text (above 18pt) WCAG AA × Fail

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 66, 35.767, 102.897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

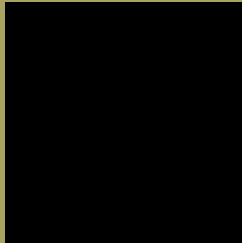
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 35.767, 102.897

Background



This preview shows how black text looks on a background with the CIELCh color 66, 35.767, 102.897.



This preview shows how white text looks on a background with the CIELCh color 66, 35.767, 102.897.

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

66, 35.767, 102.897

Protanopia

66, 35.422, 95.769

Deuteranopia

66, 35.147, 75.966



Tritanopia
66, 10.429, 340.887

Trichromacy



Original Color
66, 35.767, 102.897

Protanomaly
66, 35.596, 98.652

Deuteranomaly
66, 34.682, 85.920

Tritanomaly
66, 10.711, 74.919

Monochromacy



Original Color
66, 35.767, 102.897

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 13.272, 105.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 35.767, 102.897 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(168, 163, 97)` looks like.

```
.text, #text, p{  
    color:rgb(168, 163, 97)  
}
```

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(168, 163, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 163, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 35.767, 102.897 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(168, 163, 97) }
```

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

```
.border{ border-color:rgb(168, 163, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 163, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 163, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 163, 97);  
box-shadow:4px 4px 4px 4px rgb(168, 163,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 35.767, 102.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 163, 97) }
```

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

```
.background{ background-color: rgb(168,  
163, 97) }
```

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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