

Converting Colors

CIELCh(66, 34.801, 104.399)

Have a look what the booklet for
CIELCh(66, 34.801, 104.399)
contains.

CIELCh(66, 34.685, 104.340)	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(66, 34.685, 104.340)

Conversions

Conversions Part 1

Format	Color
Hex	A6A363
RGB	166, 163, 99
RGB Percent	65%, 64%, 39%
CMY	0.3480, 0.3598, 0.6108
CMYK	0.00, 0.02, 0.40, 0.35
HSL	57°, 27%, 52%
HSV	57°, 40%, 65%
XYZ	31.1852, 35.3238, 17.0382
YIQ	156.6010, 22.3320, -19.2680

Conversions

Conversions Part 2

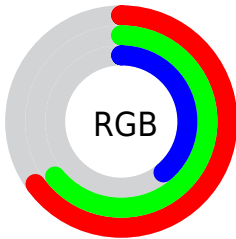
Format	Color
RYB	102, 166, 99
Decimal	10920803
CIELab	66.00, -8.59, 33.60
CIElCh	66, 34.685, 104.340
Yxy	35.3238, 0.3733, 0.4228
Android (android.graphics.Color)	4289110883 (0xFFA6A363)
YUV	156.6010, -28.3973, 8.2429
Hunter-Lab	59.4338, -10.3496, 24.6067

Details

The CIELCh color **66, 34.685, 104.340** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **46, 38.082, 293.789**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 34.649, 104.559**, and **46, 34.228, 103.760** is the 20% darker color. If you saturate the color by 10%, you get **66, 42.774, 103.388**, and if you desaturate by 10%, it is **66, 26.273, 105.329**.

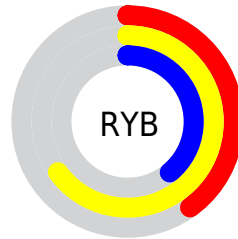
Distribution



Red (65%)

Green (64%)

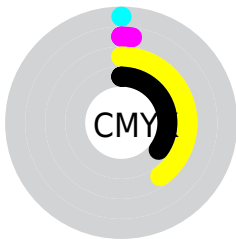
Blue (39%)



Red (40%)

Yellow (65%)

Blue (39%)

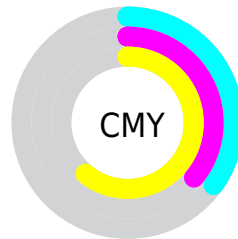


Cyan (0%)

Magenta (2%)

Yellow (40%)

Black (35%)



Cyan (35%)


Magenta (36%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 34.685, 104.340 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, 34.685, 104.340 by changing the saturation by 10% instead.


 66, 34.685,
104.340


 66, 34.685,
104.340


 100, 34.685,
104.340


 56, 34.685,
104.340


 86, 34.685,
104.340

 46, 34.685,
104.340

 96, 34.685,
104.340

 36, 34.685,
104.340

 26, 34.685,
104.340

 16, 34.685,
104.340

 6, 34.685, 104.340

 0, 34.685, 104.340

66, 34.685,
104.340

66, 34.685,
104.340

66, 42.774,
103.388

66, 26.273,
105.329

65, 50.316,
102.488

67, 17.677,
106.325

65, 56.989,
101.672

68, 8.988, 107.315

65, 62.372,
100.969

68, 0.263, 108.028

69, 8.461, 289.262

64, 66.031,
100.403

70, 17.161,
290.179

64, 68.102, 99.965

70, 25.821,
291.061

71, 34.430,
291.904

■ 72, 42.979,
292.705

Harmonies

Complementary

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



66, 34.685, 104.340



46, 38.082, 293.789

Rectangle

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



66, 34.685, 104.340



66, 34.685, 154.340



66, 34.685, 284.340



66, 34.685, 334.340

Sweetspot

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



66, 34.686, 104.343



86, 12.978, 107.127



50, 29.157, 19.532



46, 8.677, 107.005



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, 34.686, 104.343



83, 50.745, 103.522



65, 38.418, 125.389



35, 4.982, 107.414



57, 62.514, 99.994



6, 8.963, 107.549

Inverse Universe

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



46, 38.082, 293.789



53, 57.266, 295.441



48, 40.960, 309.448



33, 5.081, 289.306



17, 86.907, 305.584



1, 9.190, 288.598

Previews

White Background



This preview shows how the CIELCh color 66, 34.685, 104.340 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, 34.685, 104.340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

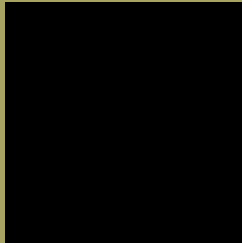
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 34.685, 104.340

Background



This preview shows how black text looks on a background with the CIELCh color 66, 34.685, 104.340.



This preview shows how white text looks on a background with the CIELCh color 66, 34.685, 104.340.

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, 34.685, 104.340

Protanopia

66, 34.393, 95.591

Deuteranopia

66, 33.950, 75.848



Tritanopia
66, 9.853, 337.950

Trichromacy



Original Color
66, 34.685, 104.340

Protanomaly
66, 34.563, 98.555

Deuteranomaly
66, 33.341, 86.848

Tritanomaly
66, 10.269, 78.657

Monochromacy



Original Color
66, 34.685, 104.340

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 12.706, 106.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 34.685, 104.340 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(166, 163, 99)` looks like.

```
.text, #text, p{  
    color:rgb(166, 163, 99)  
}
```

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(166, 163, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 163, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 34.685, 104.340 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(166, 163, 99) }
```

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

```
.border{ border-color:rgb(166, 163, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 163, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 163, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 163, 99);  
box-shadow:4px 4px 4px 4px rgb(166, 163,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 34.685, 104.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 163, 99) }
```

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

```
.background{ background-color: rgb(166,  
163, 99) }
```

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