

Converting Colors

CIELCh(63, 36.333, 93.479)

Have a look what the booklet for
CIELCh(63, 36.333, 93.479) contains.

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Color

CIELCh(63, 36.506, 93.548)

Conversions

Conversions Part 1

Format	Color
Hex	AA9857
RGB	170, 152, 87
RGB Percent	67%, 60%, 34%
CMY	0.3343, 0.4048, 0.6597
CMYK	0.00, 0.11, 0.49, 0.33
HSL	47°, 33%, 50%
HSV	47°, 49%, 67%
XYZ	29.4288, 31.5869, 13.5170
YIQ	149.9720, 31.5930, -16.3990

Conversions

Conversions Part 2

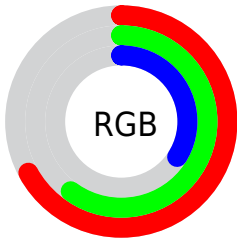
Format	Color
RYB	110, 170, 87
Decimal	11180119
CIELab	63.00, -2.26, 36.44
CIElCh	63, 36.506, 93.548
Yxy	31.5869, 0.3948, 0.4238
Android (android.graphics.Color)	4289370199 (0xFFAA9857)
YUV	149.9720, -31.0452, 17.5646
Hunter-Lab	56.2022, -4.8871, 25.0819

Details

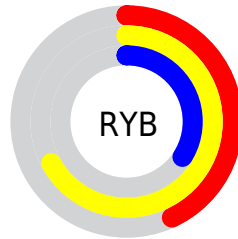
The CIELCh color **63, 36.506, 93.548** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **46, 38.768, 287.411**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 36.547, 93.354**, and **43, 36.348, 93.148** is the 20% darker color. If you saturate the color by 10%, you get **62, 43.642, 92.290**, and if you desaturate by 10%, it is **64, 29.103, 94.794**.

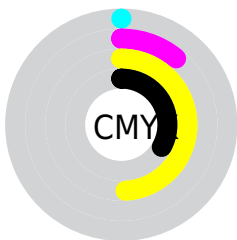
Distribution



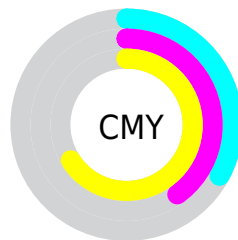
- Red (67%)
- Green (60%)
- Blue (34%)



- Red (43%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (11%)
- Yellow (49%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 36.506, 93.548 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 63, 36.506, 93.548 by changing the saturation by 10% instead.

63, 36.506, 93.548

63, 36.506, 93.548

100, 36.506,
93.548

53, 36.506, 93.548

83, 36.506, 93.548

43, 36.506, 93.548

93, 36.506, 93.548

33, 36.506, 93.548

23, 36.506, 93.548

13, 36.506, 93.548

3, 36.506, 93.548

0, 36.506, 93.548

63, 36.506, 93.548

63, 36.506, 93.548

62, 43.642, 92.290

64, 29.103, 94.794

61, 50.236, 91.003

66, 21.592, 96.015

60, 55.865, 89.672

67, 14.068, 97.206

58, 59.964, 88.249

68, 6.582, 98.357

57, 62.331, 86.696

70, 0.839, 279.681

57, 62.586, 86.525

71, 8.182, 280.605

73, 15.442,
281.634

74, 22.618,
282.620

76, 29.712,
283.560

Harmonies

Complementary

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



63, 36.506, 93.548



46, 38.768, 287.411

Rectangle

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



63, 36.506, 93.548



63, 36.506, 143.548



63, 36.506, 273.548



63, 36.506, 323.548

Sweetspot

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



63, 36.507, 93.552



86, 13.877, 97.627



47, 36.335, 7.275



46, 9.553, 97.388



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 36.507, 93.552



79, 54.295, 92.137



66, 45.115, 117.671



35, 4.168, 98.312



50, 56.612, 86.737



5, 7.091, 95.082

Inverse Universe

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



46, 38.768, 287.411



53, 59.252, 290.198



43, 50.379, 304.445



33, 4.211, 280.503



21, 75.316, 301.378



1, 7.856, 281.201

Previews

White Background



This preview shows how the CIELCh color 63, 36.506, 93.548 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 63, 36.506, 93.548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

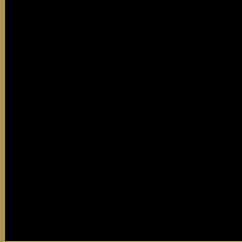
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.506, 93.548

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.506, 93.548.



This preview shows how white text looks on a background with the CIELCh color 63, 36.506, 93.548.

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

63, 36.506, 93.548

Protanopia

63, 36.598, 96.402

Deuteranopia

63, 37.137, 77.631



Tritanopia
63, 13.917, 354.752

Trichromacy



Original Color
63, 36.506, 93.548

Protanomaly
63, 36.685, 95.718

Deuteranomaly
63, 36.277, 83.200

Tritanomaly
63, 14.750, 59.818

Monochromacy



Original Color
63, 36.506, 93.548

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 13.590, 98.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.506, 93.548 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(170, 152, 87)` looks like.

```
.text, #text, p{  
    color:rgb(170, 152, 87)  
}
```

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(170, 152, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 152, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.506, 93.548 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(170, 152, 87) }
```

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

```
.border{ border-color:rgb(170, 152, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 152, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 152, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 152, 87);  
box-shadow:4px 4px 4px 4px rgb(170, 152,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.506, 93.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 152, 87) }
```

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

```
.background{ background-color: rgb(170,  
152, 87) }
```

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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