

Converting Colors

CIELCh(63, 46.710, 95.341)

Have a look what the booklet for
CIELCh(63, 46.710, 95.341) contains.

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Color

CIELCh(63, 46.678, 95.541)

Conversions

Conversions Part 1

Format	Color
Hex	AA9943
RGB	170, 153, 67
RGB Percent	67%, 60%, 26%
CMY	0.3347, 0.4012, 0.7385
CMYK	0.00, 0.10, 0.61, 0.33
HSL	50°, 44%, 46%
HSV	50°, 61%, 67%
XYZ	28.8460, 31.5869, 9.8385
YIQ	148.2790, 37.7380, -23.1420

Conversions

Conversions Part 2

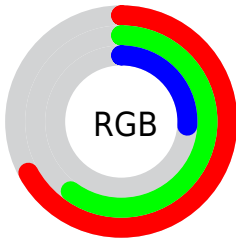
Format	Color
RYB	87, 170, 67
Decimal	11180355
CIELab	63.00, -4.51, 46.46
CIELCh	63, 46.678, 95.541
Yxy	31.5869, 0.4105, 0.4495
Android (android.graphics.Color)	4289370435 (0xFFAA9943)
YUV	148.2790, -40.0705, 19.0493
Hunter-Lab	56.2022, -6.7382, 28.9625

Details

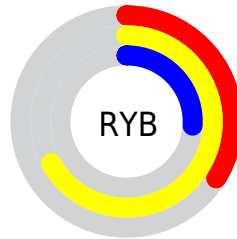
The CIELCh color **63, 46.678, 95.541** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **38, 52.510, 293.006**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 46.714, 95.733**, and **43, 46.710, 95.329** is the 20% darker color. If you saturate the color by 10%, you get **62, 53.172, 94.392**, and if you desaturate by 10%, it is **64, 39.481, 96.703**.

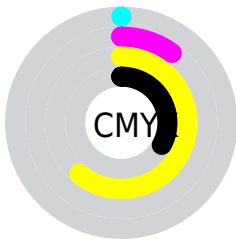
Distribution



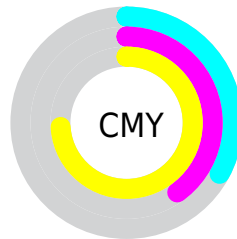
- Red (67%)
- Green (60%)
- Blue (26%)



- Red (34%)
- Yellow (67%)
- Blue (26%)



- Cyan (0%)
- Magenta (10%)
- Yellow (61%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 46.678, 95.541 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, 46.678, 95.541 by changing the saturation by 10% instead.

 63, 46.678, 95.541

 63, 46.678, 95.541

 100, 46.678,
95.541

 53, 46.678, 95.541

 83, 46.678, 95.541

 43, 46.678, 95.541

 93, 46.678, 95.541

 33, 46.678, 95.541

 23, 46.678, 95.541

 13, 46.678, 95.541

 3, 46.678, 95.541

 0, 46.678, 95.541

 63, 46.678, 95.541

 63, 46.678, 95.541

 62, 53.172, 94.392

 64, 39.481, 96.703

■ 61, 58.507, 93.241

■ 65, 31.892, 97.864

■ 60, 62.143, 92.070

■ 66, 24.107, 99.018

■ 60, 64.097, 90.948

■ 67, 16.244,
100.155

■ 68, 8.372, 101.264

■ 69, 0.529, 102.132

■ 71, 7.261, 283.428

■ 72, 14.989,
284.425

■ 73, 22.647,
285.384

Harmonies

Complementary

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



63, 46.678, 95.541



38, 52.510, 293.006

Rectangle

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



63, 46.678, 95.541



63, 46.678, 145.541



63, 46.678, 275.541



63, 46.678, 325.541

Sweetspot

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



63, 46.678, 95.544



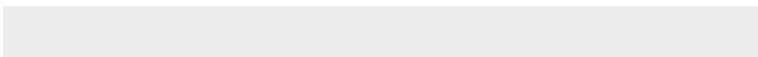
85, 17.409, 100.421



43, 45.327, 15.232



45, 12.085, 100.107



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 46.678, 95.544



78, 66.906, 93.978



65, 55.517, 120.017



35, 4.402, 101.417



52, 58.004, 91.098



5, 7.585, 99.259

Inverse Universe

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



38, 52.510, 293.006



42, 79.615, 296.681



37, 63.297, 307.394



33, 4.461, 283.512



19, 79.668, 303.084



1, 8.243, 283.684

Previews

White Background



This preview shows how the CIELCh color 63, 46.678, 95.541 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 CIE LCh color 63, 46.678, 95.541 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, 46.678, 95.541

Background



This preview shows how black text looks on a background with the CIELCh color 63, 46.678, 95.541.



This preview shows how white text looks on a background with the CIELCh color 63, 46.678, 95.541.

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, 46.678, 95.541

Protanopia

63, 46.594, 96.092

Deuteranopia

63, 46.551, 79.722



Tritanopia
63, 14.864, 354.256

Trichromacy



Original Color
63, 46.678, 95.541

Protanomaly
63, 46.594, 96.092

Deuteranomaly
63, 46.262, 85.614

Tritanomaly
63, 17.673, 68.717

Monochromacy



Original Color
63, 46.678, 95.541

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 17.991, 100.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 46.678, 95.541 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, 153, 67)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 67)  
}
```

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, 153, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 46.678, 95.541 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, 153, 67) }
```

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

```
.border{ border-color:rgb(170, 153, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 67);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 46.678, 95.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 67) }
```

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

```
.background{ background-color: rgb(170,  
153, 67) }
```

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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