

Converting Colors

CIELCh(63, 66.039, 95.014)

Have a look what the booklet for
CIELCh(63, 66.039, 95.014) contains.

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Color

CIELCh(63, 65.967, 95.242)

Conversions

Conversions Part 1

Format	Color
Hex	AC9906
RGB	172, 153, 6
RGB Percent	67%, 60%, 2%
CMY	0.3253, 0.3998, 0.9760
CMYK	0.00, 0.11, 0.96, 0.33
HSL	53°, 93%, 35%
HSV	53°, 96%, 67%
XYZ	28.4563, 31.5869, 4.7723
YIQ	141.9230, 58.5110, -41.6890

Conversions

Conversions Part 2

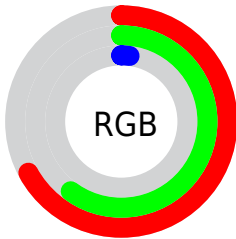
Format	Color
RYB	27, 172, 6
Decimal	11311366
CIELab	63.00, -6.03, 65.69
CIELCh	63, 65.967, 95.242
Yxy	31.5869, 0.4390, 0.4873
Android (android.graphics.Color)	4289501446 (0xFFAC9906)
YUV	141.9230, -67.0100, 26.3775
Hunter-Lab	56.2022, -7.9757, 34.3071

Details

The CIELCh color **63, 65.967, 95.242** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **23, 91.329, 304.013**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 66.133, 95.316**, and **43, 49.907, 95.359** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.662, 94.938**, and if you desaturate by 10%, it is **64, 63.477, 96.127**.

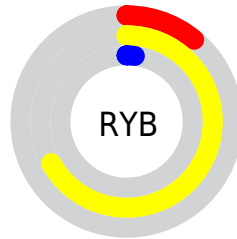
Distribution



Red (67%)

Green (60%)

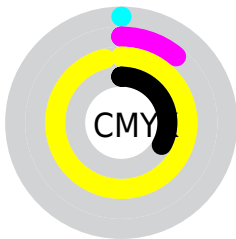
Blue (2%)



Red (11%)

Yellow (67%)

Blue (2%)

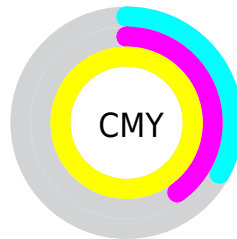


Cyan (0%)

Magenta (11%)

Yellow (96%)

Black (33%)



Cyan (33%)

Magenta (40%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 65.967, 95.242 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, 65.967, 95.242 by changing the saturation by 10% instead.

 63, 65.967, 95.242

 63, 65.967, 95.242

 100, 65.967,
95.242

 53, 65.967, 95.242

 83, 65.967, 95.242

 43, 65.967, 95.242

 93, 65.967, 95.242

 33, 65.967, 95.242

 23, 65.967, 95.242

 13, 65.967, 95.242

 3, 65.967, 95.242

 0, 65.967, 95.242

 63, 65.967, 95.242

 63, 65.967, 95.242

 63, 66.662, 94.938

 64, 63.477, 96.127

64, 59.059, 97.053

65, 53.083, 98.034

66, 46.053, 99.063

66, 38.374,
100.126

67, 30.322,
101.207

68, 22.074,
102.290

69, 13.737,
103.363

70, 5.375, 104.407

Harmonies

Complementary

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



63, 65.967, 95.242



23, 91.329, 304.013

Rectangle

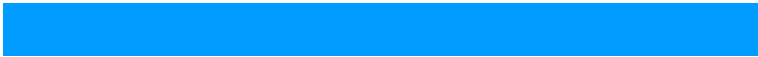
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 65.967, 95.242



63, 65.967, 145.242



63, 65.967, 275.242



63, 65.967, 325.242

Sweetspot

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



63, 65.966, 95.244



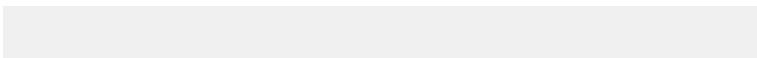
86, 30.024, 101.958



36, 70.911, 33.271



45, 20.548, 101.510



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, 65.966, 95.244



80, 81.181, 94.781



64, 77.035, 123.239



36, 4.755, 104.113



55, 60.442, 95.031



6, 9.572, 102.582

Inverse Universe

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



23, 91.329, 304.013



30, 115.567, 304.895



25, 93.385, 309.693



34, 4.834, 286.128



18, 84.351, 304.387



1, 10.303, 286.123

Previews

White Background



This preview shows how the CIELCh color 63, 65.967, 95.242 looks on a white background.

Color Contrast Check

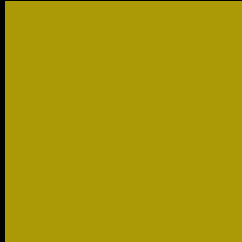
Large Text (above 18pt) WCAG AA × Fail

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, 65.967, 95.242 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, 65.967, 95.242

Background



This preview shows how black text looks on a background with the CIELCh color 63, 65.967, 95.242.

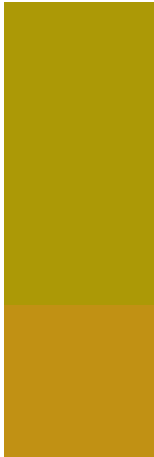


This preview shows how white text looks on a background with the CIELCh color 63, 65.967, 95.242.

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, 65.967, 95.242

Protanopia

63, 65.967, 95.242

Deuteranopia

63, 64.830, 82.899



Tritanopia
63, 16.500, 359.408

Trichromacy



Original Color
63, 65.967, 95.242

Protanomaly
63, 65.967, 95.242

Deuteranomaly
63, 64.941, 87.624

Tritanomaly
62, 29.435, 78.712

Monochromacy



Original Color
63, 65.967, 95.242

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 29.551, 100.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 65.967, 95.242 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(172, 153, 6)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 6)  
}
```

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(172, 153, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 65.967, 95.242 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(172, 153, 6) }
```

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

```
.border{ border-color:rgb(172, 153, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 153, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 153, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 153, 6);  
box-shadow:4px 4px 4px 4px rgb(172, 153,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 65.967, 95.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 6) }
```

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

```
.background{ background-color: rgb(172,  
153, 6) }
```

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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