

Converting Colors

CIELCh(63, 29.182, 91.039)

Have a look what the booklet for
CIELCh(63, 29.182, 91.039) contains.

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Color

CIELCh(63, 29.432, 90.662)

Conversions

Conversions Part 1

Format	Color
Hex	AA9764
RGB	170, 151, 100
RGB Percent	67%, 59%, 39%
CMY	0.3334, 0.4079, 0.6079
CMYK	0.00, 0.11, 0.41, 0.33
HSL	44°, 29%, 53%
HSV	44°, 41%, 67%
XYZ	29.9326, 31.5869, 16.5692
YIQ	150.8670, 27.6950, -11.8330

Conversions

Conversions Part 2

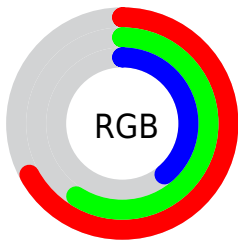
Format	Color
RYB	126, 170, 100
Decimal	11179876
CIELab	63.00, -0.34, 29.43
CIELCh	63, 29.432, 90.662
Yxy	31.5869, 0.3833, 0.4045
Android (android.graphics.Color)	4289369956 (0xFFAA9764)
YUV	150.8670, -25.0774, 16.7796
Hunter-Lab	56.2022, -3.2872, 21.8621

Details

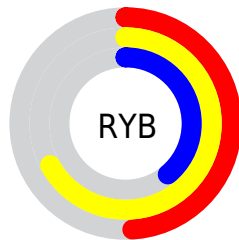
The CIELCh color **63, 29.432, 90.662** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **50, 30.131, 282.362**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 29.596, 90.983**, and **43, 29.324, 90.642** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.605, 89.341**, and if you desaturate by 10%, it is **65, 22.198, 91.959**.

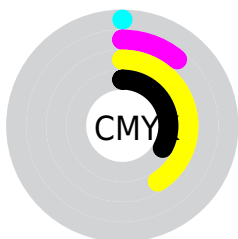
Distribution



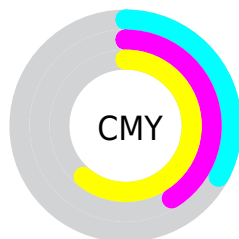
- Red (67%)
- Green (59%)
- Blue (39%)



- Red (49%)
- Yellow (67%)
- Blue (39%)



- Cyan (0%)
- Magenta (11%)
- Yellow (41%)
- Black (33%)



- Cyan (33%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 29.432, 90.662 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, 29.432, 90.662 by changing the saturation by 10% instead.

■ 63, 29.432, 90.662

■ 63, 29.432, 90.662

■ 100, 29.432,
90.662

■ 53, 29.432, 90.662

■ 83, 29.432, 90.662

■ 43, 29.432, 90.662

■ 93, 29.432, 90.662

■ 33, 29.432, 90.662

■ 23, 29.432, 90.662

■ 13, 29.432, 90.662

■ 3, 29.432, 90.662

■ 0, 29.432, 90.662

■ 63, 29.432, 90.662

■ 63, 29.432, 90.662

■ 62, 36.605, 89.341

■ 65, 22.198, 91.959

60, 43.550, 87.976

66, 14.990, 93.215

59, 49.983, 86.552

68, 7.855, 94.428

57, 55.447, 85.021

69, 0.816, 95.415

56, 59.334, 83.292

71, 6.119, 276.798

55, 61.518, 81.605

73, 12.950,
277.872

75, 19.679,
278.906

76, 26.312,
279.893

78, 32.853,
280.829

Harmonies

Complementary

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



63, 29.432, 90.662



50, 30.131, 282.362

Rectangle

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



63, 29.432, 90.662



63, 29.432, 140.662



63, 29.432, 270.662



63, 29.432, 320.662

Sweetspot

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



63, 29.433, 90.666



86, 10.479, 94.305



51, 30.786, 2.115



46, 7.014, 94.155



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, 29.433, 90.666



79, 43.531, 89.514



67, 38.121, 115.957



35, 3.938, 94.651



48, 55.584, 81.885



4, 6.640, 90.304

Inverse Universe

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



50, 30.131, 282.362



60, 45.028, 284.360



47, 41.897, 302.137



33, 3.961, 276.942



23, 70.188, 299.125



2, 7.466, 278.315

Previews

White Background



This preview shows how the CIELCh color 63, 29.432, 90.662 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, 29.432, 90.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

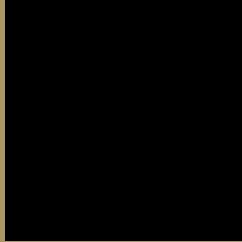
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 29.432, 90.662

Background



This preview shows how black text looks on a background with the CIELCh color 63, 29.432, 90.662.



This preview shows how white text looks on a background with the CIELCh color 63, 29.432, 90.662.

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, 29.432, 90.662

Protanopia

63, 28.817, 94.857

Deuteranopia

63, 30.167, 74.693



Tritanopia
63, 13.917, 354.752

Trichromacy



Original Color
63, 29.432, 90.662

Protanomaly
63, 28.919, 94.012

Deuteranomaly
63, 29.410, 80.669

Tritanomaly
63, 12.985, 51.042

Monochromacy



Original Color
63, 29.432, 90.662

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 10.959, 93.958

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 29.432, 90.662 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, 151, 100)` looks like.

```
.text, #text, p{  
    color:rgb(170, 151, 100)  
}
```

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, 151, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 151, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 29.432, 90.662 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, 151, 100) }
```

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

```
.border{ border-color:rgb(170, 151, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 151, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 151, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 151, 100);  
box-shadow:4px 4px 4px 4px rgb(170, 151,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 29.432, 90.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 151, 100) }
```

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

```
.background{ background-color: rgb(170,  
151, 100) }
```

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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