

Converting Colors

CIELCh(63, 49.344, 79.333)

Have a look what the booklet for
CIELCh(63, 49.344, 79.333) contains.

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Color

CIELCh(63, 49.236, 79.638)

Conversions

Conversions Part 1

Format	Color
Hex	BF9140
RGB	191, 145, 64
RGB Percent	75%, 57%, 25%
CMY	0.2520, 0.4323, 0.7499
CMYK	0.00, 0.24, 0.67, 0.25
HSL	38°, 50%, 50%
HSV	38°, 67%, 75%
XYZ	32.4263, 31.5869, 9.2038
YIQ	149.5200, 53.4170, -15.4390

Conversions

Conversions Part 2

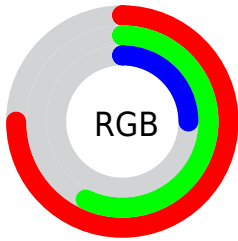
Format	Color
RYB	136, 191, 64
Decimal	12554560
CIELab	63.00, 8.86, 48.43
CIELCh	63, 49.236, 79.638
Yxy	31.5869, 0.4429, 0.4314
Android (android.graphics.Color)	4290744640 (0xFFBF9140)
YUV	149.5200, -42.1614, 36.3780
Hunter-Lab	56.2022, 4.6329, 29.6321

Details

The CIELCh color **63, 49.236, 79.638** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **47, 48.447, 282.884**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 49.275, 80.029**, and **43, 49.321, 79.673** is the 20% darker color. If you saturate the color by 10%, you get **61, 56.043, 77.986**, and if you desaturate by 10%, it is **65, 41.833, 81.159**.

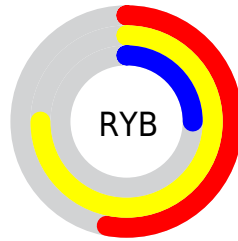
Distribution



Red (75%)

Green (57%)

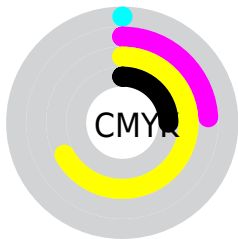
Blue (25%)



Red (53%)

Yellow (75%)

Blue (25%)

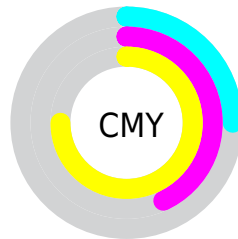


Cyan (0%)

Magenta (24%)

Yellow (67%)

Black (25%)



Cyan (25%)

Magenta (43%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 49.236, 79.638 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, 49.236, 79.638 by changing the saturation by 10% instead.

■ 63, 49.236, 79.638

■ 63, 49.236, 79.638

■ 100, 49.236,
79.638

■ 53, 49.236, 79.638

■ 83, 49.236, 79.638

■ 43, 49.236, 79.638

■ 93, 49.236, 79.638

■ 33, 49.236, 79.638

■ 23, 49.236, 79.638

■ 13, 49.236, 79.638

■ 3, 49.236, 79.638

■ 0, 49.236, 79.638

■ 63, 49.236, 79.638

■ 63, 49.236, 79.638

■ 61, 56.043, 77.986

■ 65, 41.833, 81.159

59, 61.625, 76.066

67, 34.222, 82.600

58, 65.256, 73.696

69, 26.613, 83.993

57, 66.325, 72.861

71, 19.113, 85.344

73, 11.771, 86.652

76, 4.603, 87.894

78, 2.391, 269.284

80, 9.218, 270.387

83, 15.890,
271.506

Harmonies

Complementary

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



63, 49.236, 79.638



47, 48.447, 282.884

Rectangle

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



63, 49.236, 79.638



63, 49.236, 129.638



63, 49.236, 259.638



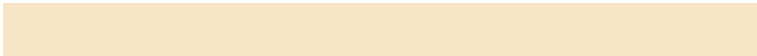
63, 49.236, 309.638

Sweetspot

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



63, 49.236, 79.641



92, 17.636, 86.167



47, 54.497, 1.557



49, 12.173, 85.794



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



63, 49.236, 79.641



77, 71.570, 77.126



74, 63.600, 110.786



39, 3.954, 87.560



48, 57.716, 73.337



7, 10.775, 75.863

Inverse Universe

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



47, 48.447, 282.884



53, 72.931, 288.054



36, 77.111, 303.385



37, 3.941, 270.023



28, 64.474, 294.447



3, 13.146, 277.414

Previews

White Background



This preview shows how the CIELCh color 63, 49.236, 79.638 looks on a white background.

Color Contrast Check

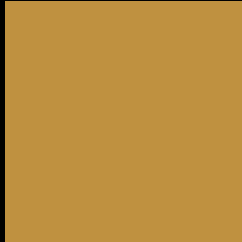
Large Text (above 18pt) WCAG AA × Fail

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, 49.236, 79.638 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, 49.236, 79.638

Background



This preview shows how black text looks on a background with the CIELCh color 63, 49.236, 79.638.



This preview shows how white text looks on a background with the CIELCh color 63, 49.236, 79.638.

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, 49.236, 79.638

Protanopia

63, 47.143, 95.575

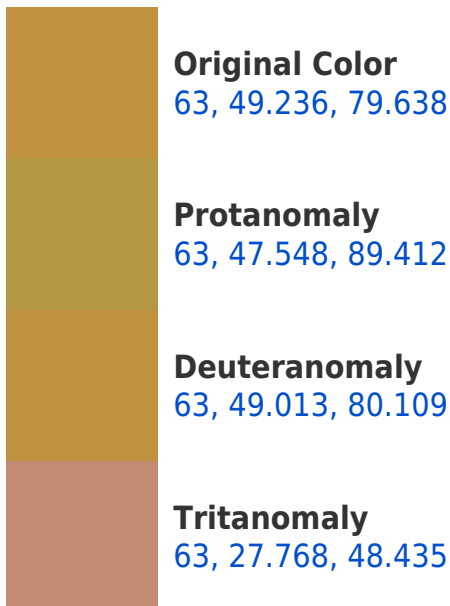
Deuteranopia

63, 49.013, 80.109



Tritanopia
63, 25.085, 9.447

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 49.236, 79.638 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(191, 145, 64)` looks like.

```
.text, #text, p{  
    color:rgb(191, 145, 64)  
}
```

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(191, 145, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 145, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 49.236, 79.638 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(191, 145, 64) }
```

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

```
.border{ border-color:rgb(191, 145, 64) }
```

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

Here you see how a box with a 4 pixel rgb(191, 145, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 145, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 145, 64);  
box-shadow:4px 4px 4px 4px rgb(191, 145,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 49.236, 79.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 145, 64) }
```

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

```
.background{ background-color: rgb(191,  
145, 64) }
```

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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