

Converting Colors

CIELCh(63, 11.663, 48.633)

Have a look what the booklet for
CIELCh(63, 11.663, 48.633) contains.

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Color

CIELCh(63, 11.645, 48.638)

Conversions

Conversions Part 1

Format	Color
Hex	AC9389
RGB	172, 147, 137
RGB Percent	67%, 58%, 54%
CMY	0.3242, 0.4223, 0.4615
CMYK	0.00, 0.15, 0.20, 0.32
HSL	17°, 17%, 61%
HSV	17°, 20%, 68%
XYZ	32.1042, 31.5869, 28.1878
YIQ	153.3350, 18.1100, 2.1900

Conversions

Conversions Part 2

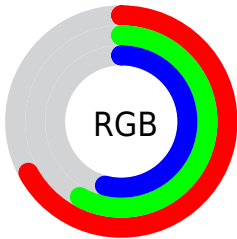
Format	Color
RYB	172, 151, 137
Decimal	11309961
CIELab	63.00, 7.70, 8.74
CIELCh	63, 11.645, 48.638
Yxy	31.5869, 0.3494, 0.3438
Android (android.graphics.Color)	4289500041 (0xFFAC9389)
YUV	153.3350, -8.0532, 16.3692
Hunter-Lab	56.2022, 3.6098, 9.6052

Details

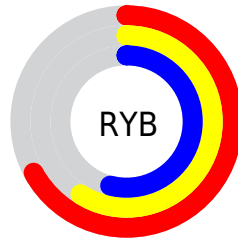
The CIELCh color $63, 11.645, 48.638$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 10.345, 231.436$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 11.830, 49.232$, and $43, 11.654, 47.893$ is the 20% darker color. If you saturate the color by 10%, you get $59, 18.064, 48.226$, and if you desaturate by 10%, it is $67, 5.692, 49.126$.

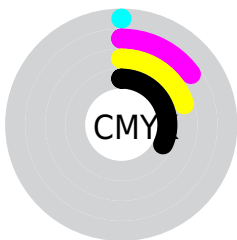
Distribution



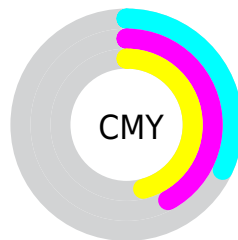
- Red (67%)
- Green (58%)
- Blue (54%)



- Red (67%)
- Yellow (59%)
- Blue (54%)



- Cyan (0%)
- Magenta (15%)
- Yellow (20%)
- Black (32%)



- Cyan (32%)
- Magenta (42%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 11.645, 48.638 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, 11.645, 48.638 by changing the saturation by 10% instead.

 63, 11.645, 48.638

 63, 11.645, 48.638

 100, 11.645,
48.638

 53, 11.645, 48.638

 83, 11.645, 48.638

 43, 11.645, 48.638

 93, 11.645, 48.638

 33, 11.645, 48.638

 23, 11.645, 48.638

 13, 11.645, 48.638

 3, 11.645, 48.638

 0, 11.645, 48.638

 63, 11.645, 48.638

 63, 11.645, 48.638

 59, 18.064, 48.226

 67, 5.692, 49.126

56, 24.982, 47.901

70, 0.167, 47.030

53, 32.406, 47.697

74, 4.976, 230.495

49, 40.301, 47.625

78, 9.779, 231.095

47, 48.547, 47.660

82, 14.283,
231.739

44, 56.843, 47.694

85, 18.525,
232.394

42, 64.518, 47.437

40, 70.879, 46.929

89, 21.879,
229.388

92, 23.487,
209.810

95, 26.122,
197.807

Harmonies

Complementary

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



63, 11.645, 48.638



65, 10.345, 231.436

Rectangle

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



63, 11.645, 48.638



63, 11.645, 98.638



63, 11.645, 228.638



63, 11.645, 278.638

Sweetspot

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



63, 11.644, 48.649



87, 4.037, 49.305



61, 19.424, 334.990



45, 2.681, 49.283



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, 11.644, 48.649



78, 17.322, 48.466



68, 15.340, 97.038



35, 3.127, 49.173



35, 63.854, 47.267



3, 6.509, 43.376

Inverse Universe

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



65, 10.345, 231.436



82, 14.981, 231.861



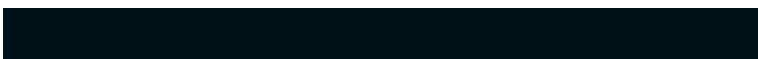
60, 15.640, 282.030



35, 2.973, 230.523



43, 32.116, 252.541



4, 6.428, 240.757

Previews

White Background



This preview shows how the CIELCh color 63, 11.645, 48.638 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, 11.645, 48.638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

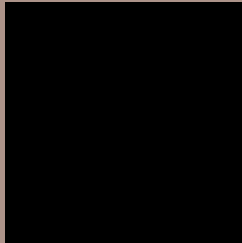
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 11.645, 48.638

Background



This preview shows how black text looks on a background with the CIELCh color 63, 11.645, 48.638.



This preview shows how white text looks on a background with the CIELCh color 63, 11.645, 48.638.

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, 11.645, 48.638

Protanopia

63, 7.088, 89.711

Deuteranopia

63, 12.014, 47.715



Tritanopia
63, 13.196, 353.124

Trichromacy



Original Color
63, 11.645, 48.638

Protanomaly
63, 8.055, 69.061

Deuteranomaly
63, 12.014, 47.715

Tritanomaly
63, 11.212, 11.956

Monochromacy



Original Color
63, 11.645, 48.638

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 4.162, 51.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 11.645, 48.638 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(172, 147, 137)` looks like.

```
.text, #text, p{  
    color:rgb(172, 147, 137)  
}
```

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, 147, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 147, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 11.645, 48.638 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(172, 147, 137) }
```

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

```
.border{ border-color:rgb(172, 147, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 147, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 147, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 147, 137);  
box-shadow:4px 4px 4px 4px rgb(172, 147,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 11.645, 48.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 147, 137) }
```

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

```
.background{ background-color: rgb(172,  
147, 137) }
```

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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