

Converting Colors

CIELCh(63, 4.336, 113.573)

Have a look what the booklet for
CIELCh(63, 4.336, 113.573) contains.

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Color

CIELCh(63, 4.476, 114.690)

Conversions

Conversions Part 1

Format	Color
Hex	989991
RGB	152, 153, 145
RGB Percent	60%, 60%, 57%
CMY	0.4032, 0.3993, 0.4306
CMYK	0.01, 0.00, 0.05, 0.40
HSL	68°, 4%, 59%
HSV	68°, 5%, 60%
XYZ	29.5306, 31.5869, 31.4032
YIQ	151.7890, 1.9720, -2.7000

Conversions

Conversions Part 2

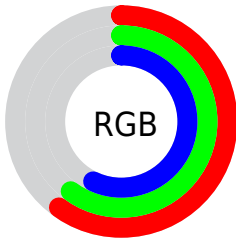
Format	Color
RYB	145, 153, 146
Decimal	10000785
CIELab	63.00, -1.87, 4.07
CIELCh	63, 4.476, 114.690
Yxy	31.5869, 0.3192, 0.3414
Android (android.graphics.Color)	4288190865 (0xFF989991)
YUV	151.7890, -3.3470, 0.1850
Hunter-Lab	56.2022, -4.5638, 6.2131

Details

The CIELCh color $63, 4.476, 114.690$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $61, 4.540, 295.504$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 4.230, 114.785$, and $43, 4.219, 115.300$ is the 20% darker color. If you saturate the color by 10%, you get $62, 13.034, 113.943$, and if you desaturate by 10%, it is $64, 4.110, 295.453$.

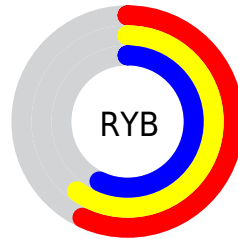
Distribution



Red (60%)

Green (60%)

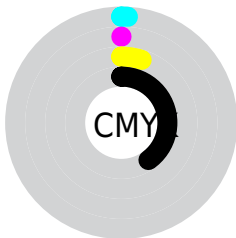
Blue (57%)



Red (57%)

Yellow (60%)

Blue (57%)

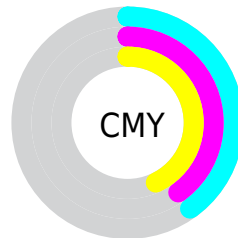


Cyan (1%)

Magenta (0%)

Yellow (5%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 4.476, 114.690 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, 4.476, 114.690 by changing the saturation by 10% instead.

■ 63, 4.476, 114.690

■ 63, 4.476, 114.690

■ 100, 4.476,
114.690

■ 53, 4.476, 114.690

■ 83, 4.476, 114.690

■ 43, 4.476, 114.690

■ 93, 4.476, 114.690

■ 33, 4.476, 114.690

■ 23, 4.476, 114.690

■ 13, 4.476, 114.690

■ 3, 4.476, 114.690

■ 0, 4.476, 114.690

■ 63, 4.476, 114.690

■ 63, 4.476, 114.690

■ 62, 13.034,

■ 64, 4.110, 295.453

113.943

64, 12.693,
296.167

62, 21.511,
113.175

65, 21.248,
296.852

62, 29.834,
112.417

66, 29.757,
297.501

61, 37.893,
111.695

66, 38.207,
298.114

61, 45.521,
111.042

67, 46.585,
298.690

61, 52.472,
110.505

68, 54.885,
299.229

60, 58.413,
110.146

68, 56.299,
299.791

60, 62.958,
110.034

68, 56.332,
300.365

60, 65.834,
110.223

Harmonies

Complementary

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



63, 4.476, 114.690



61, 4.540, 295.504

Rectangle

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



63, 4.476, 114.690



63, 4.476, 164.690



63, 4.476, 294.690



63, 4.476, 344.690

Sweetspot

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



63, 4.478, 114.703



80, 2.115, 114.937



61, 2.812, 30.233



42, 1.199, 114.946



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



63, 4.478, 114.703



80, 6.362, 114.636



63, 4.878, 132.853



32, 3.387, 114.610



55, 62.763, 110.298



3, 5.258, 115.562

Inverse Universe

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



61, 4.540, 295.504



76, 6.459, 295.576



61, 4.916, 313.221



30, 3.441, 295.604



16, 84.993, 306.853



0, 5.254, 295.014

Previews

White Background



This preview shows how the CIELCh color 63, 4.476, 114.690 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, 4.476, 114.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

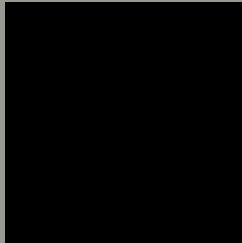
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

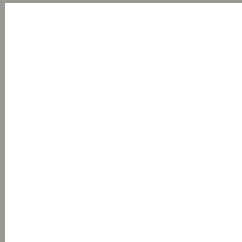
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 4.476, 114.690

Background



This preview shows how black text looks on a background with the CIELCh color 63, 4.476, 114.690.



This preview shows how white text looks on a background with the CIELCh color 63, 4.476, 114.690.

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, 4.476, 114.690

Protanopia

63, 4.860, 85.737

Deuteranopia

63, 8.761, 23.826



Tritanopia
63, 6.362, 304.510

Trichromacy



Original Color
63, 4.476, 114.690

Protanomaly
63, 4.601, 94.811

Deuteranomaly
63, 5.774, 36.629

Tritanomaly
63, 2.379, 309.136

Monochromacy



Original Color
63, 4.476, 114.690

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 1.109, 110.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 4.476, 114.690 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(152, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(152, 153, 145)  
}
```

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(152, 153, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 153, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 4.476, 114.690 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(152, 153, 145) }
```

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

```
.border{ border-color:rgb(152, 153, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 153, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 153, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 153, 145);  
box-shadow:4px 4px 4px 4px rgb(152, 153,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 4.476, 114.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 153, 145) }
```

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

```
.background{ background-color: rgb(152,  
153, 145) }
```

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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