

Converting Colors

CIELCh(63, 4.245, 109.216)

Have a look what the booklet for
CIELCh(63, 4.245, 109.216) contains.

CIELCh(63, 4.454, 109.678)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 4.454, 109.678)

Conversions

Conversions Part 1

Format	Color
Hex	999991
RGB	153, 153, 145
RGB Percent	60%, 60%, 57%
CMY	0.4001, 0.4001, 0.4315
CMYK	0.00, 0.00, 0.05, 0.40
HSL	60°, 4%, 58%
HSV	60°, 5%, 60%
XYZ	29.6275, 31.5869, 31.3127
YIQ	152.0880, 2.5680, -2.4880

Conversions

Conversions Part 2

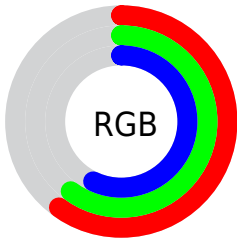
Format	Color
RYB	145, 153, 145
Decimal	10066321
CIELab	63.00, -1.50, 4.19
CIElCh	63, 4.454, 109.678
Yxy	31.5869, 0.3202, 0.3414
Android (android.graphics.Color)	4288256401 (0xFF999991)
YUV	152.0880, -3.4944, 0.7998
Hunter-Lab	56.2022, -4.2562, 6.3086

Details

The CIELCh color $63, 4.454, 109.678$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $60, 4.519, 290.710$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 4.210, 109.794$, and $43, 4.192, 109.553$ is the 20% darker color. If you saturate the color by 10%, you get $63, 12.958, 108.757$, and if you desaturate by 10%, it is $63, 4.080, 290.645$.

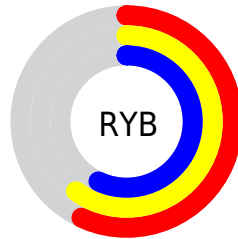
Distribution



Red (60%)

Green (60%)

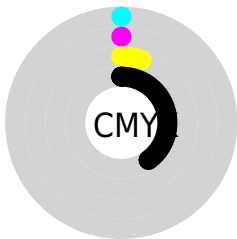
Blue (57%)



Red (57%)

Yellow (60%)

Blue (57%)

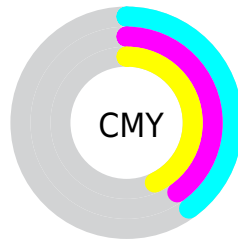


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 4.454, 109.678 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, 4.454, 109.678 by changing the saturation by 10% instead.

■ 63, 4.454, 109.678

■ 63, 4.454, 109.678

■ 100, 4.454,
109.678

■ 53, 4.454, 109.678

■ 83, 4.454, 109.678

■ 43, 4.454, 109.678

■ 93, 4.454, 109.678

■ 33, 4.454, 109.678

■ 23, 4.454, 109.678

■ 13, 4.454, 109.678

■ 3, 4.454, 109.678

■ 0, 4.454, 109.678

■ 63, 4.454, 109.678

■ 63, 4.454, 109.678

■ 63, 12.958,

■ 63, 4.080, 290.645

108.757

64, 12.618,
291.540

62, 21.380,
107.812

64, 21.135,
292.410

62, 29.649,
106.877

65, 29.615,
293.245

62, 37.652,
105.975

66, 38.048,
294.041

62, 45.218,
105.129

66, 46.422,
294.796

61, 52.096,
104.371

67, 54.731,
295.508

61, 57.945,
103.739

67, 56.321,
295.642

61, 62.379,
103.269

67, 56.321,
295.643

61, 65.128,
102.983

Harmonies

Complementary

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



63, 4.454, 109.678



60, 4.519, 290.710

Rectangle

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



63, 4.454, 109.678



63, 4.454, 159.678



63, 4.454, 289.678



63, 4.454, 339.678

Sweetspot

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



63, 4.455, 109.693



80, 2.105, 109.973



61, 3.134, 19.572



42, 1.193, 109.982



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, 4.455, 109.693



80, 6.330, 109.611



63, 4.741, 128.867



32, 3.370, 109.580



57, 62.112, 102.874



3, 5.228, 110.193

Inverse Universe

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



60, 4.519, 290.710



76, 6.429, 290.799



61, 4.787, 309.272



30, 3.425, 290.833



15, 85.763, 306.289



0, 5.229, 290.192

Previews

White Background



This preview shows how the CIELCh color 63, 4.454, 109.678 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, 4.454, 109.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

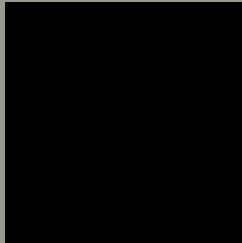
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 4.454, 109.678

Background



This preview shows how black text looks on a background with the CIELCh color 63, 4.454, 109.678.



This preview shows how white text looks on a background with the CIELCh color 63, 4.454, 109.678.

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, 4.454, 109.678

Protanopia

63, 4.860, 85.737

Deuteranopia

63, 8.761, 23.826



Tritanopia
63, 7.123, 309.376

Trichromacy



Original Color
63, 4.454, 109.678

Protanomaly
63, 4.716, 90.154

Deuteranomaly
63, 5.774, 36.629

Tritanomaly
63, 3.210, 318.895

Monochromacy



Original Color
63, 4.454, 109.678

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 1.668, 109.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 4.454, 109.678 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(153, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 153, 145) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 63, 4.454, 109.678 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(153, 153, 145) }
```

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

```
.border{ border-color:rgb(153, 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(153, 153, 145)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 63, 4.454, 109.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(153,  
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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