

Converting Colors

CIELCh(63, 0.154, 90.987)

Have a look what the booklet for
CIELCh(63, 0.154, 90.987) contains.

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Color

CIELCh(63, 0.386, 18.274)

Conversions

Conversions Part 1

Format	Color
Hex	999898
RGB	153, 152, 152
RGB Percent	60%, 60%, 60%
CMY	0.3992, 0.4031, 0.4031
CMYK	0.00, 0.01, 0.01, 0.40
HSL	0°, 0%, 60%
HSV	0°, 1%, 60%
XYZ	30.1195, 31.5869, 34.3012
YIQ	152.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	153, 152, 152
Decimal	10066072
CIE _{Lab}	63.00, 0.37, 0.12
CIE _{LCh}	63, 0.386, 18.274
Yxy	31.5869, 0.3137, 0.3290
Android (android.graphics.Color)	4288256152 (0xFF999898)
YUV	152.2990, -0.1474, 0.6148
Hunter-Lab	56.2022, -2.6936, 3.1559

Details

The CIELCh color $63, 0.386, 18.274$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $63, 0.381, 200.782$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 0.365, 17.887$, and $43, 0.415, 18.649$ is the 20% darker color. If you saturate the color by 10%, you get $58, 6.508, 20.220$, and if you desaturate by 10%, it is $68, 5.286, 199.268$.

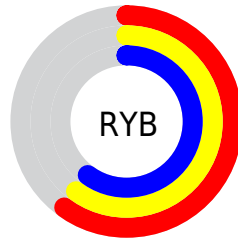
Distribution



Red (60%)

Green (60%)

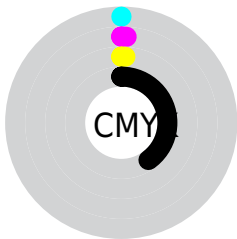
Blue (60%)



Red (60%)

Yellow (60%)

Blue (60%)

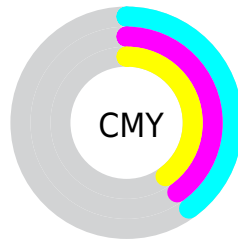


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 0.386, 18.274 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, 0.386, 18.274 by changing the saturation by 10% instead.

 63, 0.386, 18.274  63, 0.386, 18.274

100, 0.386, 18.274  53, 0.386, 18.274

 83, 0.386, 18.274  43, 0.386, 18.274

 93, 0.386, 18.274  33, 0.386, 18.274


 23, 0.386, 18.274

 13, 0.386, 18.274

 3, 0.386, 18.274

 0, 0.386, 18.274

 63, 0.386, 18.274  63, 0.386, 18.274

 58, 6.508, 20.220  68, 5.286, 199.268

54, 13.111, 21.052

72, 10.543,
198.837

50, 20.200, 22.095

77, 15.432,
198.513

46, 27.739, 23.442

42, 35.636, 25.192

81, 19.993,
198.255

39, 43.725, 27.447

86, 24.269,
198.045

36, 51.768, 30.274

34, 59.427, 33.605

91, 28.293,
197.873

32, 66.099, 37.012

94, 31.105,
197.503

Harmonies

Complementary

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



63, 0.386, 18.274



63, 0.381, 200.782

Rectangle

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



63, 0.386, 18.274



63, 0.386, 68.274



63, 0.386, 198.274



63, 0.386, 248.274

Sweetspot

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



63, 0.385, 18.492



80, 0.010, 296.813



63, 0.689, 324.170



42, 0.006, 296.813



90, 0.011, 296.813

Same Dimension

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



63, 0.385, 18.492



80, 0.729, 18.936



63, 0.331, 74.432



32, 0.333, 18.851



28, 66.076, 39.095



1, 3.586, 19.624

Inverse Universe

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



63, 0.381, 200.782



80, 0.722, 200.335



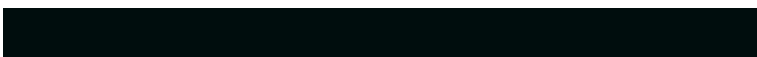
63, 0.343, 256.375



32, 0.330, 200.420



53, 31.999, 196.788



3, 3.584, 199.676

Previews

White Background



This preview shows how the CIELCh color 63, 0.386, 18.274 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, 0.386, 18.274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

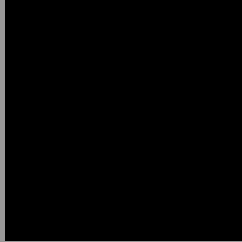
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

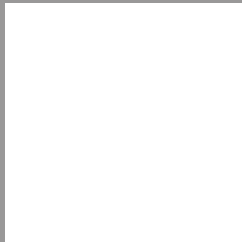
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 0.386, 18.274

Background



This preview shows how black text looks on a background with the CIELCh color 63, 0.386, 18.274.

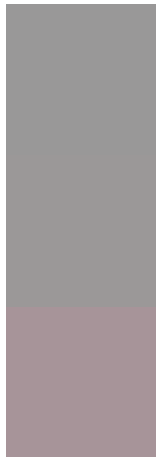


This preview shows how white text looks on a background with the CIELCh color 63, 0.386, 18.274.

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, 0.386, 18.274

Protanopia

63, 1.158, 19.125

Deuteranopia

63, 7.927, 359.591



Tritanopia
63, 6.362, 304.510

Trichromacy



Original Color
63, 0.386, 18.274

Protanomaly
63, 0.771, 18.894

Deuteranomaly
63, 4.961, 0.115

Tritanomaly
63, 4.100, 306.721

Monochromacy



Original Color
63, 0.386, 18.274

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 0.008, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 0.386, 18.274 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, 152, 152)` looks like.

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

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, 152, 152) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 63, 0.386, 18.274 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, 152, 152) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 63, 0.386, 18.274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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