

Converting Colors

CIELCh(60, 9.757, 99.472)

Have a look what the booklet for
CIELCh(60, 9.757, 99.472) contains.

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Color

CIELCh(60, 9.681, 99.405)

Conversions

Conversions Part 1

Format	Color
Hex	959180
RGB	149, 145, 128
RGB Percent	58%, 57%, 50%
CMY	0.4164, 0.4321, 0.4987
CMYK	0.00, 0.03, 0.14, 0.42
HSL	49°, 9%, 54%
HSV	49°, 14%, 58%
XYZ	26.3450, 28.1233, 24.4019
YIQ	144.2580, 7.8410, -4.4390

Conversions

Conversions Part 2

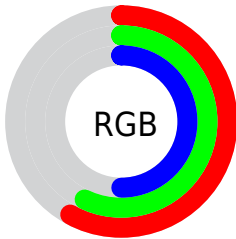
Format	Color
RYB	133, 149, 128
Decimal	9802112
CIELab	60.00, -1.58, 9.55
CIElCh	60, 9.681, 99.405
Yxy	28.1233, 0.3340, 0.3566
Android (android.graphics.Color)	4287992192 (0xFF959180)
YUV	144.2580, -8.0152, 4.1587
Hunter-Lab	53.0314, -4.1297, 9.8403

Details

The CIELCh color $60, 9.681, 99.405$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $55, 9.842, 282.677$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 9.653, 100.252$, and $40, 9.772, 100.812$ is the 20% darker color. If you saturate the color by 10%, you get $59, 16.593, 98.279$, and if you desaturate by 10%, it is $61, 2.803, 100.491$.

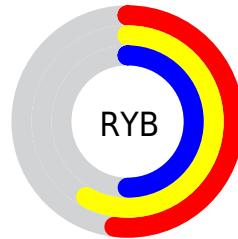
Distribution



Red (58%)

Green (57%)

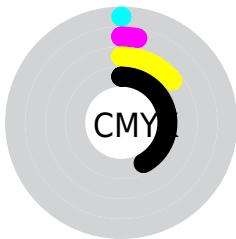
Blue (50%)



Red (52%)

Yellow (58%)

Blue (50%)

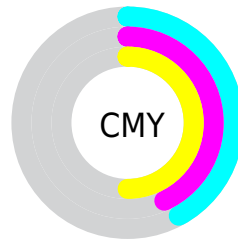


Cyan (0%)

Magenta (3%)

Yellow (14%)

Black (42%)



Cyan (42%)

Magenta (43%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 9.681, 99.405 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 60, 9.681, 99.405 by changing the saturation by 10% instead.

■ 60, 9.681, 99.405 ■ 60, 9.681, 99.405

■ 100, 9.681, 99.405 ■ 50, 9.681, 99.405

■ 80, 9.681, 99.405 ■ 40, 9.681, 99.405

■ 90, 9.681, 99.405 ■ 30, 9.681, 99.405

■ 20, 9.681, 99.405

■ 10, 9.681, 99.405

■ 0, 9.681, 99.405

■ 60, 9.681, 99.405 ■ 60, 9.681, 99.405

■ 59, 16.593, 98.279 ■ 61, 2.803, 100.491

■ 58, 23.498, 97.117 ■ 62, 4.023, 281.636

57, 30.332, 95.935

64, 10.787,
282.647

56, 36.979, 94.741

65, 17.484,
283.629

55, 43.250, 93.539

54, 48.840, 92.325

66, 24.113,
284.567

53, 53.314, 91.081

67, 30.673,
285.459

52, 56.194, 89.764

52, 57.531, 88.983

69, 37.166,
286.305

70, 43.593,
287.106

71, 46.360,
286.858

Harmonies

Complementary

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



60, 9.681, 99.405



55, 9.842, 282.677

Rectangle

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



60, 9.681, 99.405



60, 9.681, 149.405



60, 9.681, 279.405



60, 9.681, 329.405

Sweetspot

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



60, 9.682, 99.414



78, 3.386, 100.494



56, 8.787, 4.536



41, 2.401, 100.424



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



60, 9.682, 99.414



76, 14.487, 99.050



61, 12.043, 121.018



31, 3.849, 99.956



48, 54.399, 89.094



2, 3.366, 100.976

Inverse Universe

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



55, 9.842, 282.677



69, 14.777, 283.116



55, 12.365, 302.639



29, 3.895, 282.056



18, 73.258, 302.127



1, 3.367, 280.980

Previews

White Background



This preview shows how the CIELCh color 60, 9.681, 99.405 looks on a white background.

Color Contrast Check

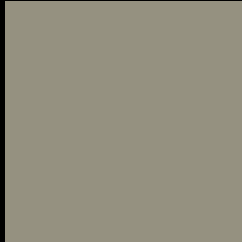
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 9.681, 99.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

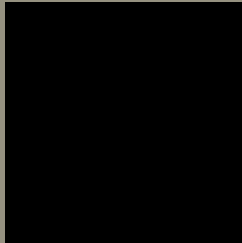
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

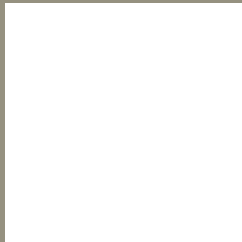
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 9.681, 99.405

Background



This preview shows how black text looks on a background with the CIELCh color 60, 9.681, 99.405.



This preview shows how white text looks on a background with the CIELCh color 60, 9.681, 99.405.

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

60, 9.681, 99.405

Protanopia

60, 9.971, 92.399

Deuteranopia

60, 11.789, 48.597



Tritanopia
60, 7.557, 324.800

Trichromacy



Original Color
60, 9.681, 99.405

Protanomaly
60, 9.861, 94.690

Deuteranomaly
60, 9.727, 63.629

Tritanomaly
60, 3.584, 10.609

Monochromacy



Original Color
60, 9.681, 99.405

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 3.460, 96.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 9.681, 99.405 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(149, 145, 128)` looks like.

```
.text, #text, p{  
    color:rgb(149, 145, 128)  
}
```

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(149, 145, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 145, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 9.681, 99.405 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(149, 145, 128) }
```

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

```
.border{ border-color:rgb(149, 145, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 145, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 145, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 145, 128);  
box-shadow:4px 4px 4px 4px rgb(149, 145,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 9.681, 99.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 145, 128) }
```

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

```
.background{ background-color: rgb(149,  
145, 128) }
```

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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