

Converting Colors

CIELCh(64, 9.104, 127.469)

Have a look what the booklet for
CIELCh(64, 9.104, 127.469) contains.

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Color

CIELCh(64, 9.441, 128.641)

Conversions

Conversions Part 1

Format	Color
Hex	969E8E
RGB	150, 158, 142
RGB Percent	59%, 62%, 56%
CMY	0.4125, 0.3811, 0.4439
CMYK	0.05, 0.00, 0.10, 0.38
HSL	90°, 8%, 59%
HSV	90°, 10%, 62%
XYZ	29.6051, 32.8017, 30.2879
YIQ	153.7840, 0.3680, -6.6720

Conversions

Conversions Part 2

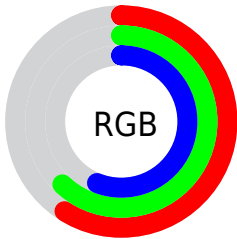
Format	Color
RYB	142, 158, 150
Decimal	9870990
CIELab	64.00, -5.90, 7.37
CIELCh	64, 9.441, 128.641
Yxy	32.8017, 0.3194, 0.3539
Android (android.graphics.Color)	4288061070 (0xFF969E8E)
YUV	153.7840, -5.8095, -3.3186
Hunter-Lab	57.2727, -7.9580, 8.7362

Details

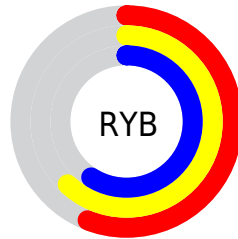
The CIELCh color $64, 9.441, 128.641$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $60, 9.578, 309.507$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 9.549, 129.760$, and $44, 9.578, 129.654$ is the 20% darker color. If you saturate the color by 10%, you get $63, 18.773, 128.179$, and if you desaturate by 10%, it is $65, 0.121, 129.888$.

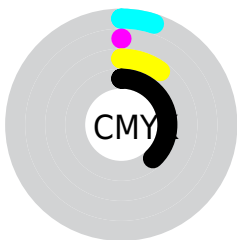
Distribution



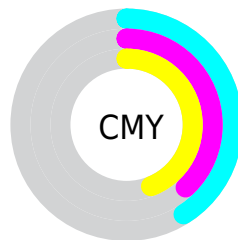
- Red (59%)
- Green (62%)
- Blue (56%)



- Red (56%)
- Yellow (62%)
- Blue (59%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (38%)



- Cyan (41%)
- Magenta (38%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 9.441, 128.641 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 64, 9.441, 128.641 by changing the saturation by 10% instead.

■ 64, 9.441, 128.641

■ 64, 9.441, 128.641

■ 100, 9.441,
128.641

■ 54, 9.441, 128.641

■ 84, 9.441, 128.641

■ 44, 9.441, 128.641

■ 94, 9.441, 128.641

■ 34, 9.441, 128.641

■ 24, 9.441, 128.641

■ 14, 9.441, 128.641

■ 4, 9.441, 128.641

■ 0, 9.441, 128.641

■ 64, 9.441, 128.641

■ 64, 9.441, 128.641

■ 63, 18.773,

■ 65, 0.121, 129.888

128.179

66, 9.142, 309.456

62, 28.040,
127.702

67, 18.311,
309.826

61, 37.143,
127.231

69, 27.359,
310.158

61, 45.937,
126.801

70, 36.268,
310.456

60, 54.215,
126.467

71, 45.027,
310.721

59, 61.686,
126.312

73, 53.629,
310.958

59, 67.982,
126.448

73, 55.597,
313.157

58, 72.729,
126.994

74, 56.296,
315.750

58, 76.072,
127.850

Harmonies

Complementary

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



64, 9.441, 128.641



60, 9.578, 309.507

Rectangle

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



64, 9.441, 128.641



64, 9.441, 178.641



64, 9.441, 308.641



64, 9.441, 358.641

Sweetspot

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



64, 9.443, 128.645



82, 3.432, 128.979



62, 5.467, 74.156



43, 2.598, 128.939



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



64, 9.443, 128.645



81, 13.782, 128.549



63, 10.919, 143.875



33, 5.273, 128.685



53, 70.611, 127.708



4, 6.946, 129.968

Inverse Universe

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



60, 9.578, 309.507



75, 14.013, 309.606



61, 10.934, 324.965



31, 5.343, 309.466



21, 80.853, 312.134



1, 6.870, 308.165

Previews

White Background



This preview shows how the CIELCh color 64, 9.441, 128.641 looks on a white background.

Color Contrast Check

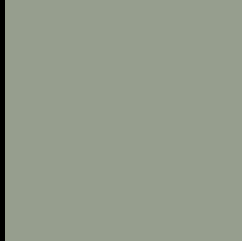
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 9.441, 128.641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

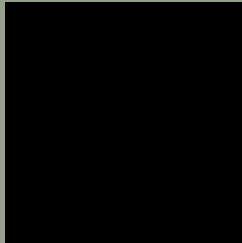
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

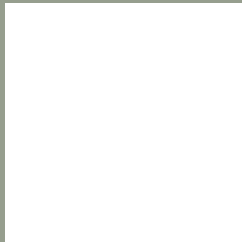
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 9.441, 128.641

Background



This preview shows how black text looks on a background with the CIELCh color 64, 9.441, 128.641.



This preview shows how white text looks on a background with the CIELCh color 64, 9.441, 128.641.

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


64, 9.441, 128.641

Protanopia

64, 8.256, 89.506

Deuteranopia

64, 10.426, 41.979



Tritanopia
64, 6.699, 290.903

Trichromacy



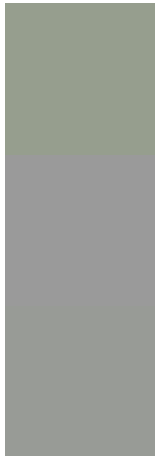
Original Color
64, 9.441, 128.641

Protanomaly
64, 7.809, 103.489

Deuteranomaly
64, 7.327, 68.789

Tritanomaly
64, 1.585, 244.453

Monochromacy



Original Color
64, 9.441, 128.641

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 3.022, 132.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 9.441, 128.641 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(150, 158, 142)` looks like.

```
.text, #text, p{  
    color:rgb(150, 158, 142)  
}
```

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(150, 158, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 158, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 9.441, 128.641 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(150, 158, 142) }
```

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

```
.border{ border-color:rgb(150, 158, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 158, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 158, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 158, 142);  
box-shadow:4px 4px 4px 4px rgb(150, 158,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 9.441, 128.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 158, 142) }
```

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

```
.background{ background-color: rgb(150,  
158, 142) }
```

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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