

Converting Colors

CIELCh(64, 12.673, 128.620)

Have a look what the booklet for
CIELCh(64, 12.673, 128.620)
contains.

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Color

CIELCh(64, 12.974, 128.469)

Conversions

Conversions Part 1

Format	Color
Hex	949F89
RGB	148, 159, 137
RGB Percent	58%, 62%, 54%
CMY	0.4204, 0.3773, 0.4635
CMYK	0.07, 0.00, 0.14, 0.38
HSL	90°, 10%, 58%
HSV	90°, 14%, 62%
XYZ	29.0387, 32.8017, 28.3915
YIQ	153.2030, 0.5060, -9.1740

Conversions

Conversions Part 2

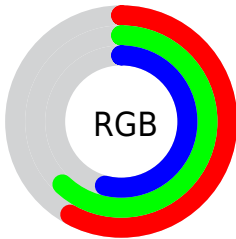
Format	Color
RYB	137, 159, 148
Decimal	9740169
CIELab	64.00, -8.07, 10.16
CIElCh	64, 12.974, 128.469
Yxy	32.8017, 0.3218, 0.3635
Android (android.graphics.Color)	4287930249 (0xFF949F89)
YUV	153.2030, -7.9881, -4.5630
Hunter-Lab	57.2727, -9.7235, 10.6994

Details

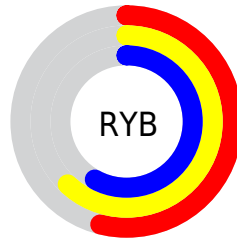
The CIELCh color $64, 12.974, 128.469$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $59, 13.220, 309.683$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 13.389, 128.579$, and $44, 13.362, 129.080$ is the 20% darker color. If you saturate the color by 10%, you get $63, 22.339, 128.001$, and if you desaturate by 10%, it is $65, 3.597, 128.936$.

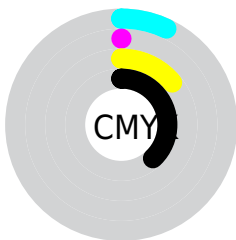
Distribution



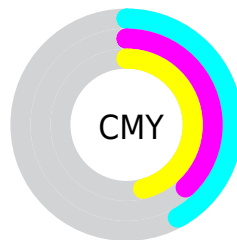
- Red (58%)
- Green (62%)
- Blue (54%)



- Red (54%)
- Yellow (62%)
- Blue (58%)



- Cyan (7%)
- Magenta (0%)
- Yellow (14%)
- Black (38%)



- Cyan (42%)
- Magenta (38%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 12.974, 128.469 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, 12.974, 128.469 by changing the saturation by 10% instead.

 64, 12.974,
128.469

 64, 12.974,
128.469

 100, 12.974,
128.469

 54, 12.974,
128.469

 84, 12.974,
128.469

 44, 12.974,
128.469

 94, 12.974,
128.469

 34, 12.974,
128.469

 24, 12.974,
128.469

 14, 12.974,
128.469

 4, 12.974, 128.469

 0, 12.974, 128.469

64, 12.974,
128.469

64, 12.974,
128.469

63, 22.339,
128.001

65, 3.597, 128.936

62, 31.606,
127.523

66, 5.740, 309.304

61, 40.659,
127.062

67, 14.994,
309.693

61, 49.332,
126.659

68, 24.135,
310.038

60, 57.388,
126.381

70, 33.143,
310.348

60, 64.500,
126.321

71, 42.004,
310.625

59, 70.283,
126.598

72, 50.708,
310.872

59, 74.401,

73, 54.854,
312.452

127.322

74, 55.538,
315.097

58, 76.426,
127.857

Harmonies

Complementary

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



64, 12.974, 128.469



59, 13.220, 309.683

Rectangle

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



64, 12.974, 128.469



64, 12.974, 178.469



64, 12.974, 308.469



64, 12.974, 358.469

Sweetspot

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



64, 12.976, 128.472



82, 4.627, 128.925



62, 7.572, 73.723



44, 3.316, 128.890



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 12.976, 128.472



81, 19.731, 128.310



63, 15.026, 143.629



33, 5.273, 128.684



53, 70.610, 127.707



4, 6.946, 129.966

Inverse Universe

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



59, 13.220, 309.683



73, 20.193, 309.851



60, 15.043, 325.170



31, 5.343, 309.464



21, 80.854, 312.133



1, 6.870, 308.164

Previews

White Background



This preview shows how the CIELCh color 64, 12.974, 128.469 looks on a white background.

Color Contrast Check

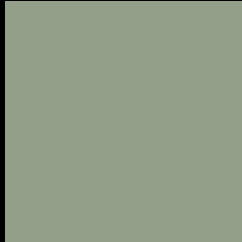
Large Text (above 18pt) WCAG AA × Fail

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, 12.974, 128.469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

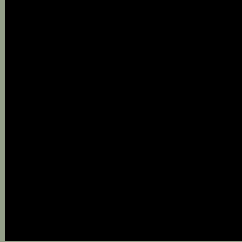
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

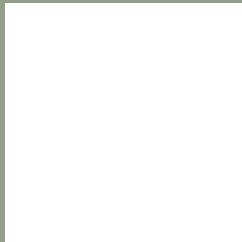
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.974, 128.469

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.974, 128.469.



This preview shows how white text looks on a background with the CIELCh color 64, 12.974, 128.469.

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, 12.974, 128.469

Protanopia

64, 11.031, 91.947

Deuteranopia

64, 12.350, 46.857



Tritanopia
64, 6.764, 281.473

Trichromacy



Original Color
64, 12.974, 128.469

Protanomaly
64, 11.093, 106.894

Deuteranomaly
64, 9.853, 77.068

Tritanomaly
64, 2.275, 199.399

Monochromacy



Original Color
64, 12.974, 128.469

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.728, 128.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.974, 128.469 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(148, 159, 137)` looks like.

```
.text, #text, p{  
    color:rgb(148, 159, 137)  
}
```

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(148, 159, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 159, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.974, 128.469 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(148, 159, 137) }
```

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

```
.border{ border-color:rgb(148, 159, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 159, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 159, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 159, 137);  
box-shadow:4px 4px 4px 4px rgb(148, 159,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.974, 128.469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 159, 137) }
```

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

```
.background{ background-color: rgb(148,  
159, 137) }
```

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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