

Converting Colors

CIELCh(64, 27.577, 123.476)

Have a look what the booklet for
CIELCh(64, 27.577, 123.476)
contains.

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Color

CIELCh(64, 28.000, 123.531)

Conversions

Conversions Part 1

Format	Color
Hex	8FA271
RGB	143, 162, 113
RGB Percent	56%, 64%, 44%
CMY	0.4398, 0.3653, 0.5574
CMYK	0.12, 0.00, 0.30, 0.37
HSL	83°, 21%, 54%
HSV	83°, 30%, 63%
XYZ	27.1671, 32.8017, 20.4794
YIQ	150.7330, 4.4050, -19.2670

Conversions

Conversions Part 2

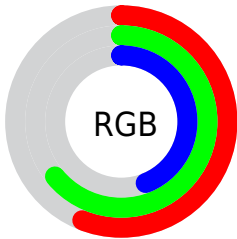
Format	Color
RYB	113, 162, 132
Decimal	9413233
CIELab	64.00, -15.47, 23.34
CIElCh	64, 28.000, 123.531
Yxy	32.8017, 0.3377, 0.4077
Android (android.graphics.Color)	4287603313 (0xFF8FA271)
YUV	150.7330, -18.6024, -6.7818
Hunter-Lab	57.2727, -15.5564, 18.8902

Details

The CIELCh color **64, 28.000, 123.531** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **51, 29.499, 306.771**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.186, 123.710**, and **44, 28.028, 123.166** is the 20% darker color. If you saturate the color by 10%, you get **63, 37.007, 123.033**, and if you desaturate by 10%, it is **65, 18.812, 124.050**.

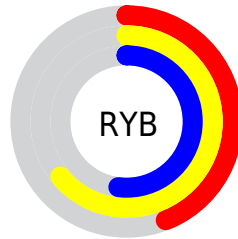
Distribution



Red (56%)

Green (64%)

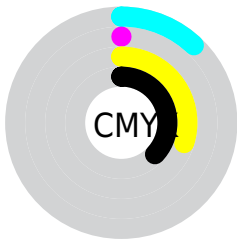
Blue (44%)



Red (44%)

Yellow (64%)

Blue (52%)

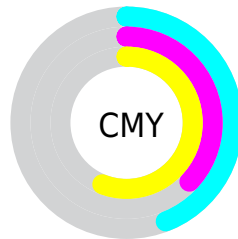


Cyan (12%)

Magenta (0%)

Yellow (30%)

Black (37%)



Cyan (44%)


Magenta (37%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 28.000, 123.531 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, 28.000, 123.531 by changing the saturation by 10% instead.

 64, 28.000,
123.531


 64, 28.000,
123.531


 100, 28.000,
123.531


 54, 28.000,
123.531


 84, 28.000,
123.531

 44, 28.000,
123.531

 94, 28.000,
123.531

 34, 28.000,
123.531

 24, 28.000,
123.531

 14, 28.000,
123.531

 4, 28.000, 123.531

 0, 28.000, 123.531

■ 64, 28.000,
123.531

■ 64, 28.000,
123.531

■ 63, 37.007,
123.033

■ 65, 18.812,
124.050

■ 63, 45.683,
122.587

■ 66, 9.536, 124.563

■ 62, 53.819,
122.249

■ 67, 0.244, 125.325

■ 68, 9.018, 305.499

■ 62, 61.118,
122.100

■ 69, 18.214,
305.933

■ 61, 67.203,
122.249

■ 70, 27.318,
306.330

■ 61, 71.696,
122.809

■ 71, 36.314,
306.695

■ 60, 74.729,
123.682

■ 72, 45.187,
307.026

■ 73, 52.119,
307.741

Harmonies

Complementary

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



64, 28.000, 123.531



51, 29.499, 306.771

Rectangle

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



64, 28.000, 123.531



64, 28.000, 173.531



64, 28.000, 303.531



64, 28.000, 353.531

Sweetspot

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



64, 28.001, 123.533



84, 10.394, 124.619



57, 16.908, 59.050



45, 7.282, 124.548



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 28.001, 123.533



81, 41.272, 123.208



62, 32.185, 139.498



34, 5.287, 124.614



55, 68.987, 123.537



5, 8.339, 127.102

Inverse Universe

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



51, 29.499, 306.771



62, 44.035, 307.201



53, 32.414, 322.648



32, 5.373, 305.518



20, 83.841, 309.855



1, 8.200, 303.714

Previews

White Background



This preview shows how the CIELCh color 64, 28.000, 123.531 looks on a white background.

Color Contrast Check

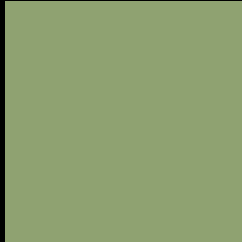
Large Text (above 18pt) WCAG AA × Fail

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 64, 28.000, 123.531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

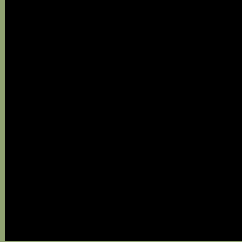
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

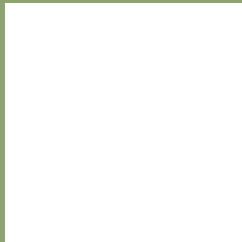
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 28.000, 123.531

Background



This preview shows how black text looks on a background with the CIELCh color 64, 28.000, 123.531.



This preview shows how white text looks on a background with the CIELCh color 64, 28.000, 123.531.

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

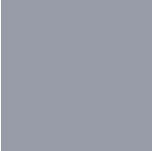
64, 28.000, 123.531

Protanopia

64, 25.352, 95.787

Deuteranopia

64, 23.507, 68.581



Tritanopia
64, 6.826, 278.423

Trichromacy



Original Color
64, 28.000, 123.531

Protanomaly
64, 25.300, 106.452

Deuteranomaly
64, 22.017, 91.055

Tritanomaly
64, 6.595, 141.430

Monochromacy



Original Color
64, 28.000, 123.531

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 10.411, 124.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 28.000, 123.531 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(143, 162, 113)` looks like.

```
.text, #text, p{  
    color:rgb(143, 162, 113)  
}
```

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(143, 162, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 162, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 28.000, 123.531 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(143, 162, 113) }
```

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

```
.border{ border-color:rgb(143, 162, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 162, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 162, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 162, 113);  
box-shadow:4px 4px 4px 4px rgb(143, 162,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 28.000, 123.531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 162, 113) }
```

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

```
.background{ background-color: rgb(143,  
162, 113) }
```

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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