

Converting Colors

CIELCh(64, 13.846, 107.004)

Have a look what the booklet for
CIELCh(64, 13.846, 107.004)
contains.

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Color

CIELCh(64, 13.853, 106.986)

Conversions

Conversions Part 1

Format	Color
Hex	9D9C83
RGB	157, 156, 131
RGB Percent	62%, 61%, 51%
CMY	0.3825, 0.3864, 0.4845
CMYK	0.00, 0.01, 0.17, 0.38
HSL	58°, 12%, 57%
HSV	58°, 17%, 62%
XYZ	30.0921, 32.8017, 26.3806
YIQ	153.4490, 8.6210, -7.5630

Conversions

Conversions Part 2

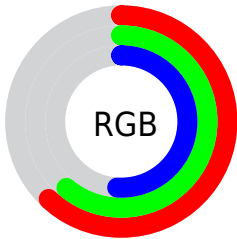
Format	Color
RYB	132, 157, 131
Decimal	10329219
CIELab	64.00, -4.05, 13.25
CIElCh	64, 13.853, 106.986
Yxy	32.8017, 0.3371, 0.3674
Android (android.graphics.Color)	4288519299 (0xFF9D9C83)
YUV	153.4490, -11.0674, 3.1142
Hunter-Lab	57.2727, -6.4402, 12.7811

Details

The CIELCh color $64, 13.853, 106.986$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $56, 14.335, 290.418$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 13.658, 105.795$, and $44, 13.664, 106.329$ is the 20% darker color. If you saturate the color by 10%, you get $64, 22.169, 106.007$, and if you desaturate by 10%, it is $65, 5.472, 107.964$.

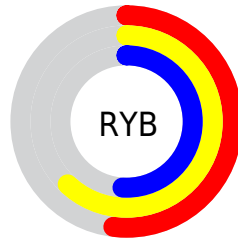
Distribution



Red (62%)

Green (61%)

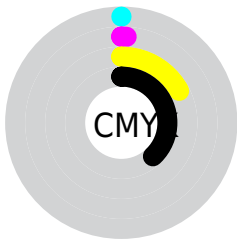
Blue (51%)



Red (52%)

Yellow (62%)

Blue (51%)

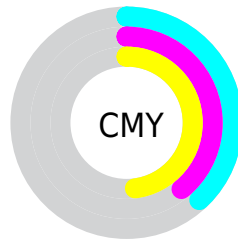


Cyan (0%)

Magenta (1%)

Yellow (17%)

Black (38%)



Cyan (38%)


Magenta (39%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 13.853, 106.986 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, 13.853, 106.986 by changing the saturation by 10% instead.

 64, 13.853,
106.986


 64, 13.853,
106.986


 100, 13.853,
106.986


 54, 13.853,
106.986


 84, 13.853,
106.986

 44, 13.853,
106.986

 94, 13.853,
106.986

 34, 13.853,
106.986

 24, 13.853,
106.986

 14, 13.853,
106.986

 4, 13.853, 106.986

 0, 13.853, 106.986

■ 64, 13.853,
106.986

■ 64, 13.853,
106.986

■ 64, 22.169,
106.007

■ 65, 5.472, 107.964

■ 63, 30.343,
105.027

■ 65, 2.933, 288.959

■ 63, 38.261,
104.071

■ 66, 11.330,
289.876

■ 62, 45.746,
103.162

■ 66, 19.699,
290.773

■ 62, 52.532,
102.327

■ 67, 28.026,
291.635

■ 62, 58.252,
101.597

■ 68, 36.302,
292.456

■ 61, 62.487,
101.001

■ 69, 44.519,
293.235

■ 61, 65.004,

■ 69, 51.360,
293.823

100.548

■ 70, 51.005,
293.578

■ 61, 65.740,
100.404

Harmonies

Complementary

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



64, 13.853, 106.986



56, 14.335, 290.418

Rectangle

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



64, 13.853, 106.986



64, 13.853, 156.986



64, 13.853, 286.986



64, 13.853, 336.986

Sweetspot

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



64, 13.854, 106.992



82, 5.179, 108.099



57, 10.572, 16.513



43, 3.526, 108.037



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, 13.854, 106.992



81, 20.690, 106.612



63, 15.196, 126.547



33, 4.761, 107.702



56, 61.214, 100.425



4, 6.197, 108.215

Inverse Universe

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



56, 14.335, 290.418



69, 21.588, 290.913



57, 15.573, 308.089



31, 4.856, 289.566



16, 84.937, 305.658



0, 6.268, 288.689

Previews

White Background



This preview shows how the CIELCh color 64, 13.853, 106.986 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, 13.853, 106.986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

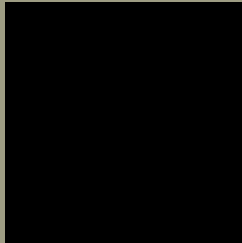
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

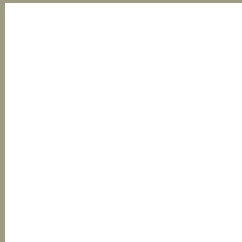
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 13.853, 106.986

Background



This preview shows how black text looks on a background with the CIELCh color 64, 13.853, 106.986.



This preview shows how white text looks on a background with the CIELCh color 64, 13.853, 106.986.

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, 13.853, 106.986

Protanopia

64, 13.697, 94.914

Deuteranopia

64, 15.003, 56.312



Tritanopia
64, 7.729, 320.099

Trichromacy



Original Color
64, 13.853, 106.986

Protanomaly
64, 13.988, 100.289

Deuteranomaly
64, 13.623, 73.972

Tritanomaly
64, 2.570, 45.030

Monochromacy



Original Color
64, 13.853, 106.986

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.999, 109.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 13.853, 106.986 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(157, 156, 131)` looks like.

```
.text, #text, p{  
    color:rgb(157, 156, 131)  
}
```

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(157, 156, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 156, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 13.853, 106.986 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(157, 156, 131) }
```

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

```
.border{ border-color:rgb(157, 156, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 156, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 156, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 156, 131);  
box-shadow:4px 4px 4px 4px rgb(157, 156,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 13.853, 106.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 156, 131) }
```

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

```
.background{ background-color: rgb(157,  
156, 131) }
```

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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