

Converting Colors

CIELCh(63, 28.417, 107.081)

Have a look what the booklet for
CIELCh(63, 28.417, 107.081)
contains.

CIELCh(63, 28.041, 107.073)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 28.041, 107.073)

Conversions

Conversions Part 1

Format	Color
Hex	9B9B68
RGB	155, 155, 104
RGB Percent	61%, 61%, 41%
CMY	0.3906, 0.3906, 0.5907
CMYK	0.00, 0.00, 0.33, 0.39
HSL	60°, 20%, 51%
HSV	60°, 33%, 61%
XYZ	27.8971, 31.5869, 17.8214
YIQ	149.1860, 16.3710, -15.8610

Conversions

Conversions Part 2

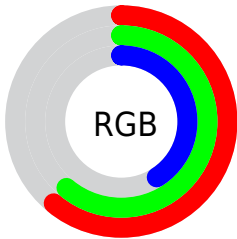
Format	Color
RYB	104, 155, 104
Decimal	10197864
CIELab	63.00, -8.23, 26.81
CIELCh	63, 28.041, 107.073
Yxy	31.5869, 0.3609, 0.4086
Android (android.graphics.Color)	4288387944 (0xFF9B9B68)
YUV	149.1860, -22.2767, 5.0989
Hunter-Lab	56.2022, -9.7518, 20.5411

Details

The CIELCh color **63, 28.041, 107.073** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **46, 30.347, 294.203**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 27.698, 106.909**, and **43, 28.031, 106.992** is the 20% darker color. If you saturate the color by 10%, you get **63, 36.224, 106.162**, and if you desaturate by 10%, it is **63, 19.622, 108.017**.

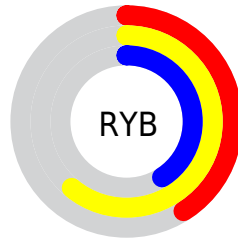
Distribution



Red (61%)

Green (61%)

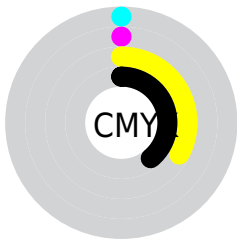
Blue (41%)



Red (41%)

Yellow (61%)

Blue (41%)

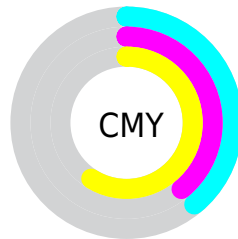


Cyan (0%)

Magenta (0%)

Yellow (33%)

Black (39%)



Cyan (39%)


Magenta (39%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 28.041, 107.073 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 63, 28.041, 107.073 by changing the saturation by 10% instead.

 63, 28.041,
107.073


 63, 28.041,
107.073


 100, 28.041,
107.073


 53, 28.041,
107.073


 83, 28.041,
107.073

 43, 28.041,
107.073

 93, 28.041,
107.073

 33, 28.041,
107.073

 23, 28.041,
107.073

 13, 28.041,
107.073

 3, 28.041, 107.073

 0, 28.041, 107.073

■ 63, 28.041,
107.073

■ 63, 28.041,
107.073

■ 63, 36.224,
106.162

■ 63, 19.622,
108.017

■ 63, 44.010,
105.299

■ 64, 11.067,
108.964

■ 62, 51.166,
104.516

■ 64, 2.444, 109.890

■ 62, 57.365,
103.849

■ 64, 6.204, 290.845

■ 62, 62.217,
103.337

■ 65, 14.848,
291.738

■ 62, 65.381,
103.009

■ 65, 23.466,
292.602

■ 62, 66.941,
102.848

■ 66, 32.045,
293.429

■ 67, 40.572,
294.216

■ 67, 49.038,
294.962

Harmonies

Complementary

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



63, 28.041, 107.073



46, 30.347, 294.203

Rectangle

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



63, 28.041, 107.073



63, 28.041, 157.073



63, 28.041, 287.073



63, 28.041, 337.073

Sweetspot

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



63, 28.042, 107.076



81, 10.657, 109.213



50, 22.057, 20.915



43, 7.327, 109.090



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



63, 28.042, 107.076



80, 40.890, 106.440



61, 30.007, 126.972



32, 4.814, 109.305



57, 62.109, 102.848



3, 5.228, 110.174

Inverse Universe

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



46, 30.347, 294.203



55, 45.185, 295.348



48, 31.451, 310.093



29, 4.917, 291.106



15, 85.762, 306.286



0, 5.229, 290.175

Previews

White Background



This preview shows how the CIELCh color 63, 28.041, 107.073 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 63, 28.041, 107.073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

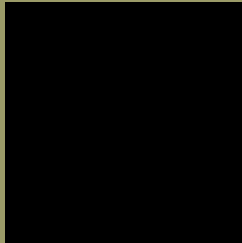
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 28.041, 107.073

Background



This preview shows how black text looks on a background with the CIELCh color 63, 28.041, 107.073.



This preview shows how white text looks on a background with the CIELCh color 63, 28.041, 107.073.

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
63, 28.041, 107.073

Protanopia
63, 27.661, 95.428

Deuteranopia
63, 27.537, 72.903



Tritanopia
63, 8.621, 329.085

Trichromacy



Original Color
63, 28.041, 107.073

Protanomaly
63, 27.846, 99.097

Deuteranomaly
63, 26.492, 85.296

Tritanomaly
63, 7.098, 79.050

Monochromacy



Original Color
63, 28.041, 107.073

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 10.586, 109.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 28.041, 107.073 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(155, 155, 104)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 104)  
}
```

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(155, 155, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 28.041, 107.073 is called "border". The border property can be set on classes, ids or directly on the HTML element.

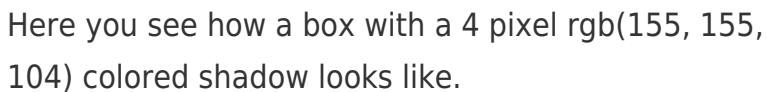
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 155, 104) }
```

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

```
.border{ border-color:rgb(155, 155, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 155, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 155, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 155, 104); box-shadow:4px 4px 4px 4px rgb(155, 155, 104) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 28.041, 107.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 104) }
```

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

```
.background{ background-color: rgb(155,  
155, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor