

Converting Colors

CIELCh(63, 19.330, 107.300)

Have a look what the booklet for
CIELCh(63, 19.330, 107.300)
contains.

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Color

CIELCh(63, 18.841, 106.832)

Conversions

Conversions Part 1

Format	Color
Hex	9B9A78
RGB	155, 154, 120
RGB Percent	61%, 60%, 47%
CMY	0.3908, 0.3948, 0.5281
CMYK	0.00, 0.01, 0.23, 0.39
HSL	58°, 15%, 54%
HSV	58°, 23%, 61%
XYZ	28.6024, 31.5869, 22.4608
YIQ	150.4230, 11.5100, -10.3620

Conversions

Conversions Part 2

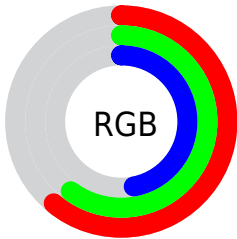
Format	Color
RYB	121, 155, 120
Decimal	10197624
CIELab	63.00, -5.46, 18.03
CIELCh	63, 18.841, 106.832
Yxy	31.5869, 0.3461, 0.3822
Android (android.graphics.Color)	4288387704 (0xFF9B9A78)
YUV	150.4230, -14.9985, 4.0140
Hunter-Lab	56.2022, -7.5119, 15.6467

Details

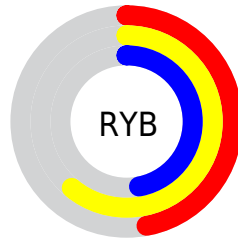
The CIELCh color $63, 18.841, 106.832$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $52, 19.777, 291.599$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 18.909, 106.162$, and $43, 18.979, 107.362$ is the 20% darker color. If you saturate the color by 10%, you get $63, 27.062, 105.865$, and if you desaturate by 10%, it is $63, 10.510, 107.809$.

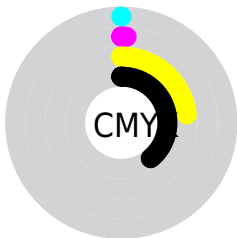
Distribution



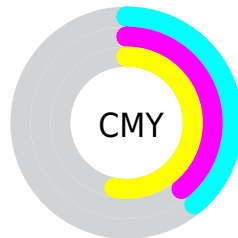
- Red (61%)
- Green (60%)
- Blue (47%)



- Red (47%)
- Yellow (61%)
- Blue (47%)



- Cyan (0%)
- Magenta (1%)
- Yellow (23%)
- Black (39%)





- Cyan (39%)
- Magenta (39%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 18.841, 106.832 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, 18.841, 106.832 by changing the saturation by 10% instead.


 63, 18.841,
106.832


 63, 18.841,
106.832


 100, 18.841,
106.832


 53, 18.841,
106.832


 83, 18.841,
106.832

 43, 18.841,
106.832

 93, 18.841,
106.832

 33, 18.841,
106.832

 23, 18.841,
106.832

 13, 18.841,
106.832

 3, 18.841, 106.832

 0, 18.841, 106.832

■ 63, 18.841,
106.832

■ 63, 18.841,
106.832

■ 63, 27.062,
105.865

■ 63, 10.510,
107.809

■ 62, 35.072,
104.912

■ 64, 2.126, 108.749

■ 62, 42.723,
103.999

■ 65, 6.271, 289.732

■ 62, 49.788,
103.152

■ 65, 14.654,
290.640

■ 61, 55.946,
102.404

■ 66, 23.006,
291.517

■ 61, 60.794,
101.787

■ 66, 31.314,
292.357

■ 61, 63.961,
101.326

■ 67, 39.568,
293.157

■ 61, 65.546,

■ 68, 47.762,
293.914

101.052

■ 69, 53.130,
294.341

Harmonies

Complementary

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



63, 18.841, 106.832



52, 19.777, 291.599

Rectangle

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



63, 18.841, 106.832



63, 18.841, 156.832



63, 18.841, 286.832



63, 18.841, 336.832

Sweetspot

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



63, 18.842, 106.837



81, 7.252, 108.328



54, 14.574, 18.429



43, 4.750, 108.277



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, 18.842, 106.837



80, 27.832, 106.351



62, 20.573, 126.864



32, 4.679, 108.129



55, 60.843, 101.069



3, 5.059, 108.861

Inverse Universe

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



52, 19.777, 291.599



63, 29.570, 292.304



53, 21.252, 308.978



30, 4.774, 289.970



15, 84.287, 305.809



0, 5.082, 289.040

Previews

White Background



This preview shows how the CIELCh color 63, 18.841, 106.832 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, 18.841, 106.832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

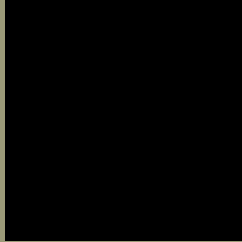
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

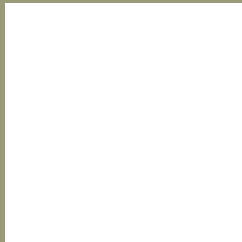
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 18.841, 106.832

Background



This preview shows how black text looks on a background with the CIELCh color 63, 18.841, 106.832.



This preview shows how white text looks on a background with the CIELCh color 63, 18.841, 106.832.

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, 18.841, 106.832

Protanopia

63, 18.804, 95.263

Deuteranopia

63, 18.885, 64.811



Tritanopia
63, 8.159, 324.815

Trichromacy



Original Color
63, 18.841, 106.832

Protanomaly
63, 19.080, 99.264

Deuteranomaly
63, 17.786, 80.224

Tritanomaly
63, 4.190, 61.159

Monochromacy



Original Color
63, 18.841, 106.832

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 6.698, 106.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 18.841, 106.832 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, 154, 120)` looks like.

```
.text, #text, p{  
    color:rgb(155, 154, 120)  
}
```

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, 154, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 154, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 18.841, 106.832 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, 154, 120) }
```

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

```
.border{ border-color:rgb(155, 154, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 154, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 154, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 154, 120);  
box-shadow:4px 4px 4px 4px rgb(155, 154,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 18.841, 106.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 154, 120) }
```

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

```
.background{ background-color: rgb(155,  
154, 120) }
```

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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