

Converting Colors

CIELCh(63, 20.196, 117.363)

Have a look what the booklet for
CIELCh(63, 20.196, 117.363)
contains.

CIELCh(63, 20.196, 117.363)	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, 20.196, 117.363)

Conversions

Conversions Part 1

Format	Color
Hex	949C78
RGB	148, 156, 120
RGB Percent	58%, 61%, 47%
CMY	0.4182, 0.3869, 0.5281
CMYK	0.05, 0.00, 0.23, 0.39
HSL	73°, 15%, 54%
HSV	73°, 23%, 61%
XYZ	27.6335, 31.5869, 22.5165
YIQ	149.5040, 6.7880, -12.8920

Conversions

Conversions Part 2

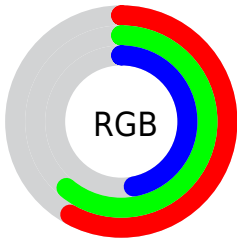
Format	Color
RYB	120, 156, 128
Decimal	9739384
CIELab	63.00, -9.28, 17.94
CIELCh	63, 20.196, 117.363
Yxy	31.5869, 0.3381, 0.3864
Android (android.graphics.Color)	4287929464 (0xFF949C78)
YUV	149.5040, -14.5455, -1.3190
Hunter-Lab	56.2022, -10.5892, 15.5880

Details

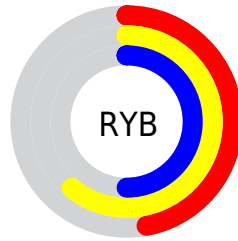
The CIELCh color $63, 20.196, 117.363$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $52, 21.186, 300.544$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 20.177, 117.189$, and $43, 20.434, 117.385$ is the 20% darker color. If you saturate the color by 10%, you get $62, 28.804, 116.719$, and if you desaturate by 10%, it is $64, 11.462, 118.019$.

Distribution



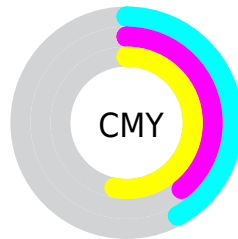
- Red (58%)
- Green (61%)
- Blue (47%)



- Red (47%)
- Yellow (61%)
- Blue (50%)



- Cyan (5%)
- Magenta (0%)
- Yellow (23%)
- Black (39%)





- Cyan (42%)
- Magenta (39%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 20.196, 117.363 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, 20.196, 117.363 by changing the saturation by 10% instead.


 63, 20.196,
117.363


 63, 20.196,
117.363


 100, 20.196,
117.363


 53, 20.196,
117.363


 83, 20.196,
117.363

 43, 20.196,
117.363

 93, 20.196,
117.363

 33, 20.196,
117.363

 23, 20.196,
117.363

 13, 20.196,
117.363

 3, 20.196, 117.363

 0, 20.196, 117.363

63, 20.196,
117.363

63, 20.196,
117.363

62, 28.804,
116.719

64, 11.462,
118.019

62, 37.178,
116.103

64, 2.666, 118.664

61, 45.165,
115.553

65, 6.141, 299.274

61, 52.537,
115.122

66, 14.927,
299.866

61, 58.978,
114.884

67, 23.665,
300.424

60, 64.104,
114.927

67, 32.338,
300.947

60, 67.574,
115.339

68, 40.932,
301.436

60, 69.340,

69, 49.437,
301.891

115.760

■ 70, 54.641,
302.581

Harmonies

Complementary

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



63, 20.196, 117.363



52, 21.186, 300.544

Rectangle

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



63, 20.196, 117.363



63, 20.196, 167.363



63, 20.196, 297.363



63, 20.196, 347.363

Sweetspot

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



63, 20.198, 117.366



81, 7.646, 118.400



56, 12.669, 40.927



43, 4.957, 118.366



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, 20.198, 117.366



80, 30.408, 117.008



62, 22.615, 135.212



33, 5.019, 118.264



55, 64.863, 115.669



4, 6.619, 120.139

Inverse Universe

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



52, 21.186, 300.544



64, 32.309, 301.034



54, 22.975, 317.217



31, 5.118, 299.464



17, 85.154, 307.611



1, 6.586, 298.407

Previews

White Background



This preview shows how the CIELCh color 63, 20.196, 117.363 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, 20.196, 117.363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

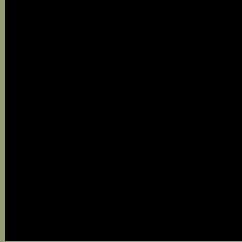
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 20.196, 117.363

Background



This preview shows how black text looks on a background with the CIELCh color 63, 20.196, 117.363.



This preview shows how white text looks on a background with the CIELCh color 63, 20.196, 117.363.

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, 20.196, 117.363

Protanopia

63, 19.343, 95.541

Deuteranopia

63, 18.885, 64.811



Tritanopia
63, 6.830, 300.368

Trichromacy



Original Color
63, 20.196, 117.363

Protanomaly
63, 19.422, 104.344

Deuteranomaly
63, 17.691, 84.599

Tritanomaly
63, 3.367, 116.433

Monochromacy



Original Color
63, 20.196, 117.363

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 7.359, 118.645

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 20.196, 117.363 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, 156, 120)` looks like.

```
.text, #text, p{  
    color:rgb(148, 156, 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(148, 156, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 156, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 20.196, 117.363 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, 156, 120) }
```

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

```
.border{ border-color:rgb(148, 156, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 156, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 156, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 156, 120);  
box-shadow:4px 4px 4px 4px rgb(148, 156,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 20.196, 117.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 156, 120) }
```

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

```
.background{ background-color: rgb(148,  
156, 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](#).

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