

Converting Colors

CIELCh(56, 20.091, 331.234)

Have a look what the booklet for
CIELCh(56, 20.091, 331.234)
contains.

CIELCh(56, 19.999, 331.170)	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(56, 19.999, 331.170)

Conversions

Conversions Part 1

Format	Color
Hex	9D7C97
RGB	157, 124, 151
RGB Percent	62%, 49%, 59%
CMY	0.3833, 0.5128, 0.4069
CMYK	0.00, 0.21, 0.04, 0.38
HSL	311°, 14%, 55%
HSV	311°, 21%, 62%
XYZ	26.7987, 23.9124, 32.5882
YIQ	136.9450, 11.0010, 15.3930

Conversions

Conversions Part 2

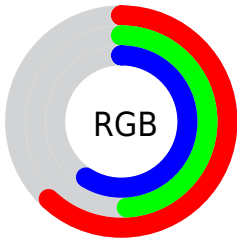
Format	Color
R_{YB}	157, 124, 151
Decimal	10321047
CIE _{Lab}	56.00, 17.52, -9.64
CIE _{LCh}	56, 19.999, 331.170
Yxy	23.9124, 0.3217, 0.2871
Android (android.graphics.Color)	4288511127 (0xFF9D7C97)
YUV	136.9450, 6.9291, 17.5882
Hunter-Lab	48.9003, 12.2472, -5.2819

Details

The CIELCh color $56, 19.999, 331.170$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $62, 19.928, 148.478$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 19.780, 331.551$, and $36, 19.759, 331.047$ is the 20% darker color. If you saturate the color by 10%, you get $52, 29.505, 331.814$, and if you desaturate by 10%, it is $60, 10.426, 330.538$.

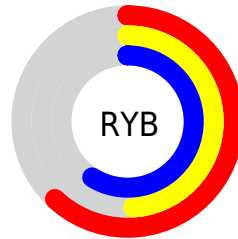
Distribution



Red (62%)

Green (49%)

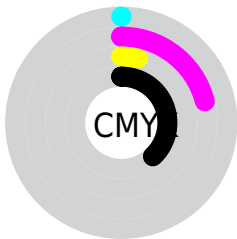
Blue (59%)



Red (62%)

Yellow (49%)

Blue (59%)

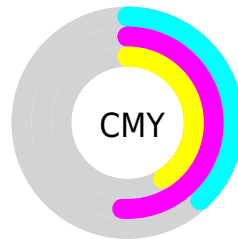


Cyan (0%)

Magenta (21%)

Yellow (4%)

Black (38%)



Cyan (38%)


Magenta (51%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 19.999, 331.170 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 56, 19.999, 331.170 by changing the saturation by 10% instead.


 56, 19.999,
331.170


 56, 19.999,
331.170


 100, 19.999,
331.170


 46, 19.999,
331.170


 76, 19.999,
331.170

 36, 19.999,
331.170

 86, 19.999,
331.170

 26, 19.999,
331.170

 96, 19.999,
331.170

 16, 19.999,
331.170

 6, 19.999, 331.170

 0, 19.999, 331.170

56, 19.999,
331.170

56, 19.999,
331.170

52, 29.505,
331.814

60, 10.426,
330.538

48, 38.736,
332.471

64, 0.938, 329.692

69, 8.373, 149.418

45, 47.396,
333.143

73, 17.453,
148.851

42, 55.118,
333.832

78, 26.276,
148.322

39, 61.493,
334.549

82, 34.832,
147.822

38, 66.146,
335.308

87, 43.124,
147.349

36, 68.846,
336.137

91, 51.160,
146.904

36, 70.019,

336.943

 93, 52.852,
147.428

Harmonies

Complementary

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



56, 19.999, 331.170



62, 19.928, 148.478

Rectangle

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



56, 19.999, 331.170



56, 19.999, 21.170



56, 19.999, 151.170



56, 19.999, 201.170

Sweetspot

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



56, 19.997, 331.171



79, 7.014, 330.224



54, 19.240, 298.403



41, 4.643, 330.263



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



56, 19.997, 331.171



69, 29.453, 331.457



56, 14.642, 355.753



31, 5.381, 330.428



32, 65.323, 336.857



1, 6.845, 330.977

Inverse Universe

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



56, 19.997, 331.171



69, 29.453, 331.457



62, 13.892, 171.756



31, 5.381, 330.428



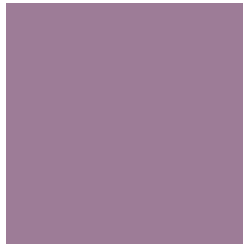
32, 65.323, 336.857



1, 6.845, 330.977

Previews

White Background



This preview shows how the CIELCh color 56, 19.999, 331.170 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 19.999, 331.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

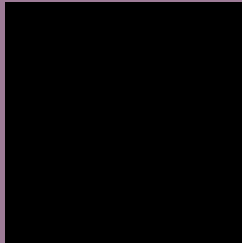
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 19.999, 331.170

Background



This preview shows how black text looks on a background with the CIELCh color 56, 19.999, 331.170.



This preview shows how white text looks on a background with the CIELCh color 56, 19.999, 331.170.

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


56, 19.999, 331.170

Protanopia

56, 13.769, 287.261

Deuteranopia

56, 11.460, 308.712



Tritanopia
56, 12.546, 353.830

Trichromacy



Original Color
56, 19.999, 331.170

Protanomaly
56, 14.875, 306.324

Deuteranomaly
56, 13.729, 319.691

Tritanomaly
56, 14.940, 343.468

Monochromacy



Original Color
56, 19.999, 331.170

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 7.423, 329.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 19.999, 331.170 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, 124, 151)` looks like.

```
.text, #text, p{  
    color:rgb(157, 124, 151)  
}
```

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, 124, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 124, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 19.999, 331.170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

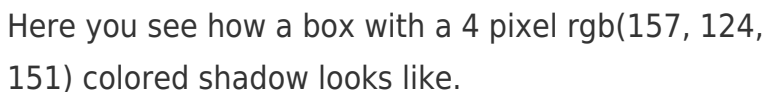
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 124, 151) }
```

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

```
.border{ border-color:rgb(157, 124, 151) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 124, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 124, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 124, 151); box-shadow:4px 4px 4px 4px rgb(157, 124, 151) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 19.999, 331.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 124, 151) }
```

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

```
.background{ background-color: rgb(157,  
124, 151) }
```

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