

Converting Colors

CIELCh(56, 35.802, 309.807)

Have a look what the booklet for
CIELCh(56, 35.802, 309.807)
contains.

CIELCh(56, 35.940, 310.123)	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, 35.940, 310.123)

Conversions

Conversions Part 1

Format	Color
Hex	977AB6
RGB	151, 122, 182
RGB Percent	59%, 48%, 71%
CMY	0.4074, 0.5212, 0.2859
CMYK	0.17, 0.33, 0.00, 0.29
HSL	269°, 29%, 60%
HSV	269°, 33%, 71%
XYZ	28.2058, 23.9124, 47.4394
YIQ	137.5110, -1.9760, 24.8080

Conversions

Conversions Part 2

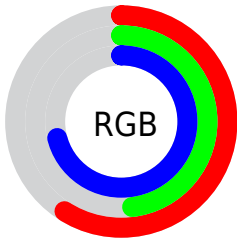
Format	Color
R_{YB}	151, 122, 182
Decimal	9927350
CIE _{Lab}	56.00, 23.16, -27.48
CIE _{LCh}	56, 35.940, 310.123
Yxy	23.9124, 0.2833, 0.2402
Android (android.graphics.Color)	4288117430 (0xFF977AB6)
YUV	137.5110, 21.9331, 11.8299
Hunter-Lab	48.9003, 17.3835, -23.2884

Details

The CIELCh color **56, 35.940, 310.123** is a light color, and the websafe version is hex **996699**. A complement of this color would be **71, 34.261, 126.948**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 35.680, 310.084**, and **36, 35.975, 310.031** is the 20% darker color. If you saturate the color by 10%, you get **51, 47.296, 310.682**, and if you desaturate by 10%, it is **61, 24.725, 309.580**.

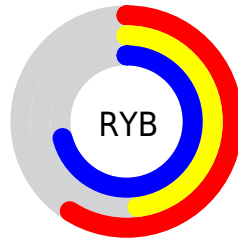
Distribution



Red (59%)

Green (48%)

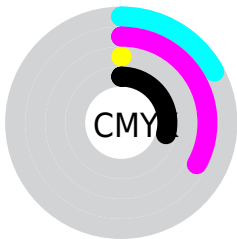
Blue (71%)



Red (59%)

Yellow (48%)

Blue (71%)

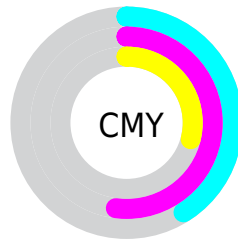


Cyan (17%)

Magenta (33%)

Yellow (0%)

Black (29%)



Cyan (41%)


Magenta (52%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 35.940, 310.123 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, 35.940, 310.123 by changing the saturation by 10% instead.


 56, 35.940,
310.123


 56, 35.940,
310.123


 100, 35.940,
310.123


 46, 35.940,
310.123


 76, 35.940,
310.123

 36, 35.940,
310.123

 86, 35.940,
310.123

 26, 35.940,
310.123

 96, 35.940,
310.123

 16, 35.940,
310.123

 6, 35.940, 310.123

 0, 35.940, 310.123

56, 35.940,
310.123

56, 35.940,
310.123

51, 47.296,
310.682

61, 24.725,
309.580

46, 58.608,
311.226

67, 13.761,
309.070

41, 69.546,
311.706

72, 3.095, 308.580

36, 79.598,
312.046

78, 7.250, 128.210

33, 88.055,
312.142

83, 17.273,
127.829

30, 94.140,
311.876

89, 26.981,
127.498

28, 97.243,
311.537

94, 36.386,
127.210

96, 38.323,
123.765

■ 97, 37.414,
118.656

Harmonies

Complementary

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



56, 35.940, 310.123



71, 34.261, 126.948

Rectangle

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



56, 35.940, 310.123



56, 35.940, 0.123



56, 35.940, 130.123



56, 35.940, 180.123

Sweetspot

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



56, 35.938, 310.123



87, 13.117, 308.934



62, 18.917, 258.784



46, 9.040, 309.003



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



56, 35.938, 310.123



67, 54.491, 310.554



59, 39.793, 325.721



36, 6.029, 308.895



23, 86.445, 311.675



2, 15.912, 304.353

Inverse Universe

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



58, 28.927, 345.791



70, 43.446, 346.695



69, 39.775, 141.727



36, 4.923, 343.479



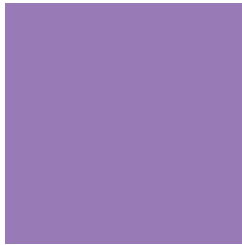
33, 58.847, 359.835



3, 12.326, 349.833

Previews

White Background



This preview shows how the CIELCh color 56, 35.940, 310.123 looks on a white background.

Color Contrast Check

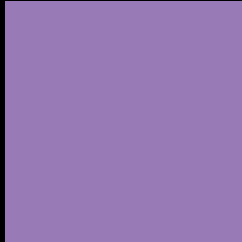
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.940, 310.123 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, 35.940, 310.123

Background



This preview shows how black text looks on a background with the CIELCh color 56, 35.940, 310.123.



This preview shows how white text looks on a background with the CIELCh color 56, 35.940, 310.123.

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, 35.940, 310.123

Protanopia

56, 33.380, 285.364

Deuteranopia

56, 27.579, 286.498



Tritanopia
56, 8.380, 331.597

Trichromacy



Original Color
56, 35.940, 310.123

Protanomaly
56, 33.857, 294.619

Deuteranomaly
56, 30.502, 296.835

Tritanomaly
56, 18.323, 316.168

Monochromacy



Original Color
56, 35.940, 310.123

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 13.304, 309.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 35.940, 310.123 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(151, 122, 182)` looks like.

```
.text, #text, p{  
    color:rgb(151, 122, 182)  
}
```

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(151, 122, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 122, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 35.940, 310.123 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(151, 122, 182) }
```

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

```
.border{ border-color:rgb(151, 122, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 122, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 122, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 122, 182);  
box-shadow:4px 4px 4px 4px rgb(151, 122,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 35.940, 310.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 122, 182) }
```

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

```
.background{ background-color: rgb(151,  
122, 182) }
```

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