

Converting Colors

CIELCh(56, 37.192, 306.818)

Have a look what the booklet for
CIELCh(56, 37.192, 306.818)
contains.

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Color

CIELCh(56, 37.147, 306.806)

Conversions

Conversions Part 1

Format	Color
Hex	937BBA
RGB	147, 123, 186
RGB Percent	58%, 48%, 73%
CMY	0.4235, 0.5177, 0.2706
CMYK	0.21, 0.34, 0.00, 0.27
HSL	263°, 31%, 61%
HSV	263°, 34%, 73%
XYZ	27.9766, 23.9124, 49.5929
YIQ	137.3580, -5.9190, 24.6810

Conversions

Conversions Part 2

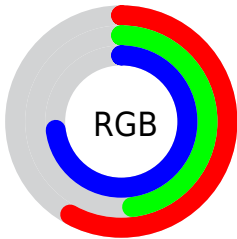
Format	Color
RYB	147, 123, 186
Decimal	9665466
CIELab	56.00, 22.26, -29.74
CIELCh	56, 37.147, 306.806
Yxy	23.9124, 0.2757, 0.2356
Android (android.graphics.Color)	4287855546 (0xFF937BBA)
YUV	137.3580, 23.9805, 8.4560
Hunter-Lab	48.9003, 16.5468, -25.8995

Details

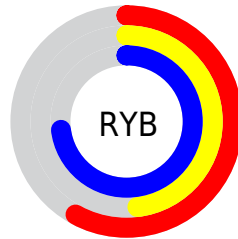
The CIELCh color $56, 37.147, 306.806$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $72, 34.963, 123.065$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 36.771, 306.831$, and $36, 37.373, 306.680$ is the 20% darker color. If you saturate the color by 10%, you get $50, 48.734, 307.515$, and if you desaturate by 10%, it is $62, 25.791, 306.141$.

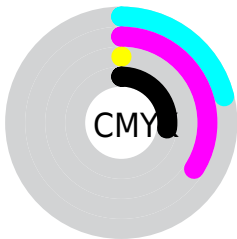
Distribution



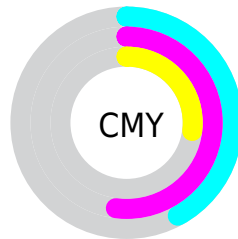
- Red (58%)
- Green (48%)
- Blue (73%)



- Red (58%)
- Yellow (48%)
- Blue (73%)



- Cyan (21%)
- Magenta (34%)
- Yellow (0%)
- Black (27%)





- Cyan (42%)
- Magenta (52%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 37.147, 306.806 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, 37.147, 306.806 by changing the saturation by 10% instead.


 56, 37.147,
306.806


 56, 37.147,
306.806


 100, 37.147,
306.806


 46, 37.147,
306.806


 76, 37.147,
306.806

 36, 37.147,
306.806

 86, 37.147,
306.806

 26, 37.147,
306.806

 96, 37.147,
306.806

 16, 37.147,
306.806

 6, 37.147, 306.806

 0, 37.147, 306.806

56, 37.147,
306.806

56, 37.147,
306.806

50, 48.734,
307.515

62, 25.791,
306.141

45, 60.391,
308.241

68, 14.750,
305.535

40, 71.801,
308.928

73, 4.054, 304.980

79, 6.290, 124.531

35, 82.428,
309.490

85, 16.291,
124.105

31, 91.463,
309.799

90, 25.961,
123.738

28, 97.952,
309.706

96, 35.318,
123.420

26, 100.927,
309.530

97, 35.272,
117.378

 98, 34.741,
110.296

Harmonies

Complementary

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



56, 37.147, 306.806



72, 34.963, 123.065

Rectangle

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



56, 37.147, 306.806



56, 37.147, 356.806



56, 37.147, 126.806



56, 37.147, 176.806

Sweetspot

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



56, 37.146, 306.806



88, 13.103, 305.325



65, 18.055, 244.282



46, 9.032, 305.404



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



56, 37.146, 306.806



66, 56.308, 307.357



59, 40.432, 322.323



36, 5.918, 305.279



21, 88.290, 309.674



1, 15.707, 301.189

Inverse Universe

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



59, 32.264, 340.494



72, 48.171, 341.262



70, 40.070, 138.786



36, 5.286, 338.400



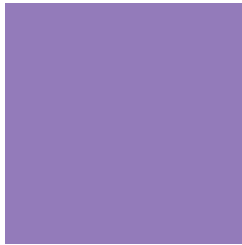
34, 61.100, 350.858



3, 13.192, 343.915

Previews

White Background



This preview shows how the CIELCh color 56, 37.147, 306.806 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, 37.147, 306.806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

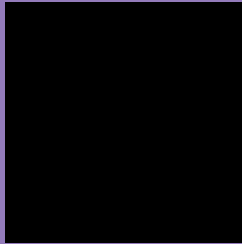
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 37.147, 306.806

Background



This preview shows how black text looks on a background with the CIELCh color 56, 37.147, 306.806.



This preview shows how white text looks on a background with the CIELCh color 56, 37.147, 306.806.

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





Tritanopia
56, 6.371, 315.995

Trichromacy



Original Color
56, 37.147, 306.806

Protanomaly
56, 34.939, 293.128

Deuteranomaly
56, 32.106, 293.871

Tritanomaly
56, 17.390, 308.127

Monochromacy



Original Color
56, 37.147, 306.806

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 13.639, 305.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 37.147, 306.806 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(147, 123, 186)` looks like.

```
.text, #text, p{  
    color:rgb(147, 123, 186)  
}
```

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(147, 123, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 123, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 37.147, 306.806 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(147, 123, 186) }
```

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

```
.border{ border-color:rgb(147, 123, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 123, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 123, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 123, 186);  
box-shadow:4px 4px 4px 4px rgb(147, 123,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 37.147, 306.806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 123, 186) }
```

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

```
.background{ background-color: rgb(147,  
123, 186) }
```

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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