

Converting Colors

CIELCh(43, 63.357, 315.626)

Have a look what the booklet for
CIELCh(43, 63.357, 315.626)
contains.

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Color

CIELCh(43, 63.405, 315.635)

Conversions

Conversions Part 1

Format	Color
Hex	8949B0
RGB	137, 73, 176
RGB Percent	54%, 29%, 69%
CMY	0.4637, 0.7146, 0.3108
CMYK	0.22, 0.59, 0.00, 0.31
HSL	277°, 41%, 49%
HSV	277°, 59%, 69%
XYZ	20.4560, 13.1578, 42.4084
YIQ	103.8780, 5.0810, 45.6010

Conversions

Conversions Part 2

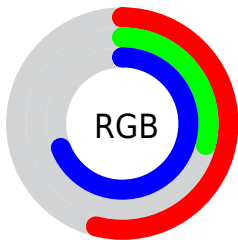
Format	Color
R_{YB}	137, 73, 176
Decimal	8997296
CIE _{Lab}	43.00, 45.33, -44.33
CIE _{LCh}	43, 63.405, 315.635
Yxy	13.1578, 0.2691, 0.1731
Android (android.graphics.Color)	4287187376 (0xFF8949B0)
YUV	103.8780, 35.5561, 29.0480
Hunter-Lab	36.2736, 37.1839, -43.9258

Details

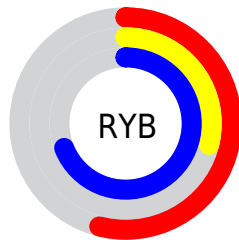
The CIELCh color **43, 63.405, 315.635** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **66, 59.840, 130.497**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 63.025, 315.665**, and **23, 63.697, 315.491** is the 20% darker color. If you saturate the color by 10%, you get **39, 73.064, 315.864**, and if you desaturate by 10%, it is **47, 52.882, 315.284**.

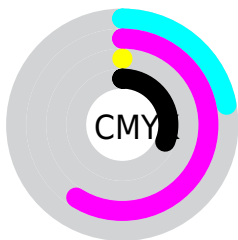
Distribution



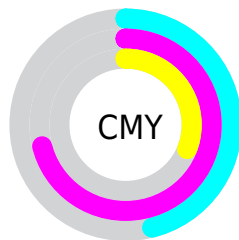
- Red (54%)
- Green (29%)
- Blue (69%)



- Red (54%)
- Yellow (29%)
- Blue (69%)



- Cyan (22%)
- Magenta (59%)
- Yellow (0%)
- Black (31%)





- Cyan (46%)
- Magenta (71%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 63.405, 315.635 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 43, 63.405, 315.635 by changing the saturation by 10% instead.


 43, 63.405,
315.635


 43, 63.405,
315.635


 100, 63.405,
315.635


 33, 63.405,
315.635

 63, 63.405,
315.635


 23, 63.405,
315.635

 73, 63.405,
315.635

 13, 63.405,
315.635

 83, 63.405,
315.635

 3, 63.405, 315.635

 93, 63.405,
315.635

 0, 63.405, 315.635

 43, 63.405,

 43, 63.405,

315.635

■ 39, 73.064,
315.864

■ 35, 81.289,
315.897

■ 33, 87.465,
315.653

■ 31, 91.438,
315.115

■ 30, 91.962,
315.041

315.635

■ 47, 52.882,
315.284

■ 52, 41.938,
314.864

■ 57, 30.875,
314.417

■ 62, 19.886,
313.967

■ 67, 9.087, 313.526

■ 72, 1.459, 133.233

■ 78, 11.720,
132.773

■ 83, 21.684,
132.425

■ 88, 31.351,
132.115

Harmonies

Complementary

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



43, 63.405, 315.635



66, 59.840, 130.497

Rectangle

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



43, 63.405, 315.635



43, 63.405, 5.635



43, 63.405, 135.635



43, 63.405, 185.635

Sweetspot

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



43, 63.404, 315.635



80, 23.910, 313.954



47, 38.424, 278.567



40, 16.647, 314.082



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



43, 63.404, 315.635



50, 92.047, 315.895



48, 60.954, 331.203



34, 5.926, 313.557



25, 81.937, 315.173



1, 12.117, 309.958

Inverse Universe

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



46, 45.907, 358.624



55, 65.828, 1.833



64, 61.732, 142.501



34, 4.301, 351.530



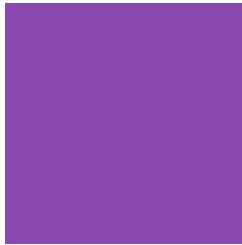
31, 57.340, 12.780



2, 8.596, 355.343

Previews

White Background



This preview shows how the CIELCh color 43, 63.405, 315.635 looks on a white background.

Color Contrast Check

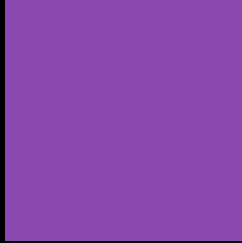
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 43, 63.405, 315.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

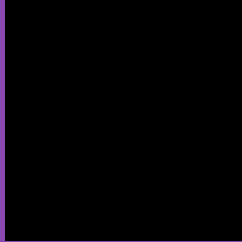
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 63.405, 315.635

Background



This preview shows how black text looks on a background with the CIELCh color 43, 63.405, 315.635.

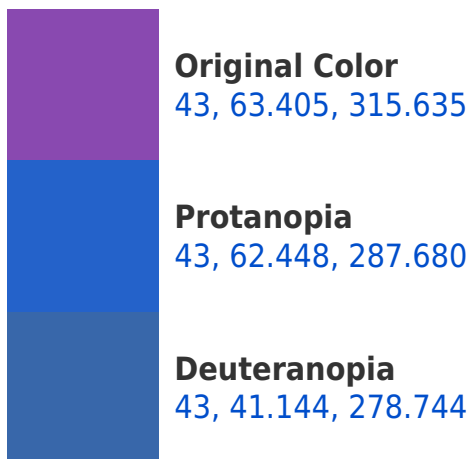


This preview shows how white text looks on a background with the CIELCh color 43, 63.405, 315.635.

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
43, 14.404, 2.127

Trichromacy



Original Color
43, 63.405, 315.635

Protanomaly
42, 61.842, 294.874

Deuteranomaly
42, 48.157, 294.400

Tritanomaly
43, 30.046, 326.821

Monochromacy



Original Color
43, 63.405, 315.635

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 24.007, 314.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 63.405, 315.635 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(137, 73, 176)` looks like.

```
.text, #text, p{  
    color:rgb(137, 73, 176)  
}
```

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(137, 73, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 73, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 63.405, 315.635 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(137, 73, 176) }
```

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

```
.border{ border-color:rgb(137, 73, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 73, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 73, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 73, 176);  
box-shadow:4px 4px 4px 4px rgb(137, 73,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 63.405, 315.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 73, 176) }
```

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

```
.background{ background-color: rgb(137, 73,  
176) }
```

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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