

Converting Colors

CIELCh(43, 63.425, 335.221)

Have a look what the booklet for
CIELCh(43, 63.425, 335.221)
contains.

CIELCh(43, 63.446, 335.063)	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(43, 63.446, 335.063)

Conversions

Conversions Part 1

Format	Color
Hex	AA3593
RGB	170, 53, 147
RGB Percent	67%, 21%, 58%
CMY	0.3340, 0.7928, 0.4242
CMYK	0.00, 0.69, 0.14, 0.33
HSL	312°, 53%, 44%
HSV	312°, 69%, 67%
XYZ	23.0584, 13.1578, 28.8615
YIQ	98.6990, 39.5580, 54.0380

Conversions

Conversions Part 2

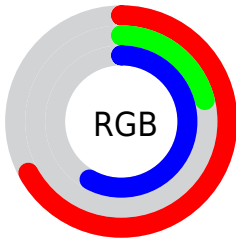
Format	Color
R _Y B	170, 53, 147
Decimal	11154835
CIE Lab	43.00, 57.53, -26.75
CIE LCh	43, 63.446, 335.063
Yxy	13.1578, 0.3543, 0.2022
Android (android.graphics.Color)	4289344915 (0xFFAA3593)
YUV	98.6990, 23.8124, 62.5310
Hunter-Lab	36.2736, 49.9901, -21.7832

Details

The CIELCh color **43, 63.446, 335.063** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 65.103, 143.439**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 63.314, 335.150**, and **25, 56.687, 335.333** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.660, 335.872**, and if you desaturate by 10%, it is **46, 56.450, 334.309**.

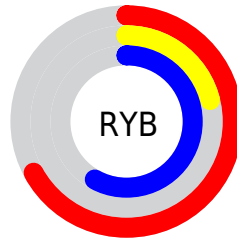
Distribution



Red (67%)

Green (21%)

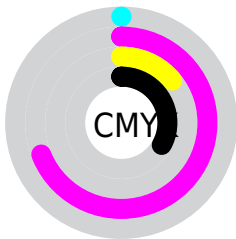
Blue (58%)



Red (67%)

Yellow (21%)

Blue (58%)

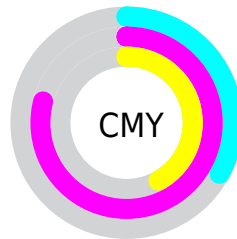


Cyan (0%)

Magenta (69%)

Yellow (14%)

Black (33%)



Cyan (33%)


Magenta (79%)

Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 63.446, 335.063 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, 63.446, 335.063 by changing the saturation by 10% instead.


 43, 63.446,
335.063


 43, 63.446,
335.063


 100, 63.446,
335.063


 33, 63.446,
335.063

 63, 63.446,
335.063


 23, 63.446,
335.063

 73, 63.446,
335.063

 13, 63.446,
335.063

 83, 63.446,
335.063

 3, 63.446, 335.063

 93, 63.446,
335.063

 0, 63.446, 335.063

 43, 63.446,

 43, 63.446,

335.063

335.063

■ 41, 68.660,
335.872

■ 46, 56.450,
334.309

■ 39, 71.813,
336.764

■ 49, 48.098,
333.589

■ 38, 73.119,
337.758

■ 53, 38.826,
332.894

■ 38, 73.238,
337.869

■ 57, 29.014,
332.219

■ 61, 18.961,
331.562

■ 65, 8.880, 330.916

■ 70, 1.085, 150.593

■ 75, 10.847,
149.787

■ 79, 20.354,
149.222

Harmonies

Complementary

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



43, 63.446, 335.063



62, 65.103, 143.439

Rectangle

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



43, 63.446, 335.063



43, 63.446, 25.063



43, 63.446, 155.063



43, 63.446, 205.063

Sweetspot

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



43, 63.444, 335.063



77, 26.208, 331.724



32, 72.493, 304.644



39, 17.888, 331.899



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



43, 63.444, 335.063



52, 86.289, 336.360



41, 50.705, 5.947



33, 5.610, 330.942



33, 66.271, 337.738



2, 9.741, 332.601

Inverse Universe

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



43, 63.444, 335.063



52, 86.289, 336.360



63, 42.497, 166.679



33, 5.610, 330.942



33, 66.271, 337.738



2, 9.741, 332.601

Previews

White Background



This preview shows how the CIELCh color 43, 63.446, 335.063 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 CIE LCh color 43, 63.446, 335.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

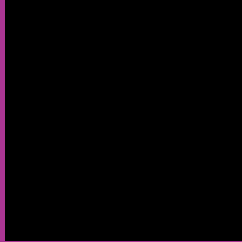
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 63.446, 335.063

Background



This preview shows how black text looks on a background with the CIELCh color 43, 63.446, 335.063.

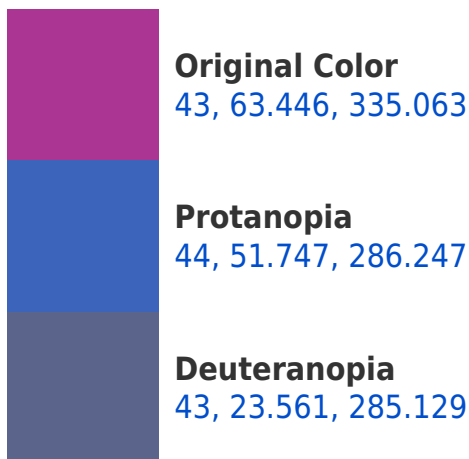


This preview shows how white text looks on a background with the CIELCh color 43, 63.446, 335.063.

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, 40.681, 22.088

Trichromacy



Original Color
43, 63.446, 335.063

Protanomaly
41, 54.039, 302.316

Deuteranomaly
41, 38.001, 315.147

Tritanomaly
43, 44.494, 359.235

Monochromacy



Original Color
43, 63.446, 335.063

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 26.603, 333.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 63.446, 335.063 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(170, 53, 147)` looks like.

```
.text, #text, p{  
    color:rgb(170, 53, 147)  
}
```

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(170, 53, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 53, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 63.446, 335.063 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(170, 53, 147) }
```

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

```
.border{ border-color:rgb(170, 53, 147) }
```

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

Here you see how a box with a 4 pixel rgb(170, 53, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 53, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 53, 147);  
box-shadow:4px 4px 4px 4px rgb(170, 53,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 63.446, 335.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 53, 147) }
```

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

```
.background{ background-color: rgb(170, 53,  
147) }
```

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