

Converting Colors

CIELCh(43, 65.173, 312.010)

Have a look what the booklet for
CIELCh(43, 65.173, 312.010)
contains.

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Color

CIELCh(43, 65.609, 312.018)

Conversions

Conversions Part 1

Format	Color
Hex	814BB7
RGB	129, 75, 183
RGB Percent	51%, 29%, 72%
CMY	0.4935, 0.7053, 0.2817
CMYK	0.29, 0.59, 0.00, 0.28
HSL	270°, 43%, 51%
HSV	270°, 59%, 72%
XYZ	20.1682, 13.1578, 46.3657
YIQ	103.4580, -2.4840, 45.0360

Conversions

Conversions Part 2

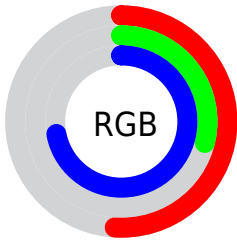
Format	Color
R_{YB}	129, 75, 183
Decimal	8473527
CIE _{Lab}	43.00, 43.92, -48.74
CIE _{LCh}	43, 65.609, 312.018
Yxy	13.1578, 0.2531, 0.1651
Android (android.graphics.Color)	4286663607 (0xFF814BB7)
YUV	103.4580, 39.2142, 22.4003
Hunter-Lab	36.2736, 35.7676, -50.3941

Details

The CIELCh color **43, 65.609, 312.018** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **69, 60.086, 126.477**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 65.883, 312.040**, and **23, 65.564, 312.069** is the 20% darker color. If you saturate the color by 10%, you get **38, 76.062, 312.395**, and if you desaturate by 10%, it is **48, 54.461, 311.531**.

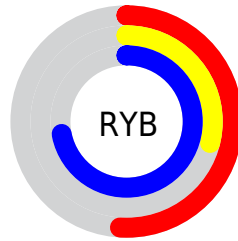
Distribution



Red (51%)

Green (29%)

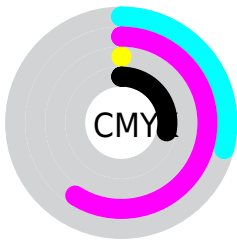
Blue (72%)



Red (51%)

Yellow (29%)

Blue (72%)

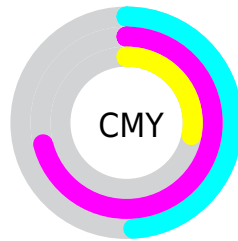


Cyan (29%)

Magenta (59%)

Yellow (0%)

Black (28%)



Cyan (49%)


Magenta (71%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 65.609, 312.018 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, 65.609, 312.018 by changing the saturation by 10% instead.


 43, 65.609,
312.018


 43, 65.609,
312.018


 100, 65.609,
312.018


 33, 65.609,
312.018

 63, 65.609,
312.018


 23, 65.609,
312.018

 73, 65.609,
312.018

 13, 65.609,
312.018


 83, 65.609,
312.018

 3, 65.609, 312.018

 93, 65.609,
312.018

 0, 65.609, 312.018

 43, 65.609,

 43, 65.609,

312.018

■ 38, 76.062,
312.395

■ 34, 85.187,
312.569

■ 31, 92.218,
312.431

■ 29, 96.865,
311.951

■ 29, 97.319,
311.906

312.018

■ 48, 54.461,
311.531

■ 53, 43.061,
310.998

■ 59, 31.684,
310.460

■ 64, 20.487,
309.942

■ 70, 9.556, 309.455

■ 75, 1.070, 129.132

■ 81, 11.374,
128.643

■ 86, 21.359,
128.288

■ 92, 31.032,
127.976

Harmonies

Complementary

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



43, 65.609, 312.018



69, 60.086, 126.477

Rectangle

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



43, 65.609, 312.018



43, 65.609, 2.018



43, 65.609, 132.018



43, 65.609, 182.018

Sweetspot

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



43, 65.608, 312.018



82, 23.956, 309.908



53, 33.847, 267.464



42, 16.847, 310.055



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



43, 65.608, 312.018



48, 96.068, 312.477



50, 68.462, 327.384



36, 6.049, 309.473



24, 86.139, 312.049



2, 15.954, 304.907

Inverse Universe

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



48, 50.049, 350.397



57, 70.755, 353.058



66, 69.133, 139.406



36, 4.868, 344.379



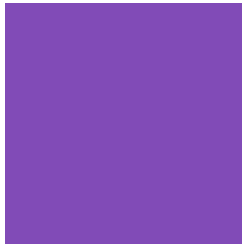
33, 58.649, 1.386



3, 12.207, 350.794

Previews

White Background



This preview shows how the CIELCh color 43, 65.609, 312.018 looks on a white background.

Color Contrast Check

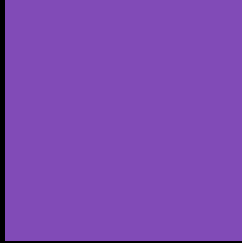
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.609, 312.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

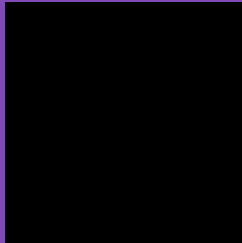
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 65.609, 312.018

Background



This preview shows how black text looks on a background with the CIELCh color 43, 65.609, 312.018.

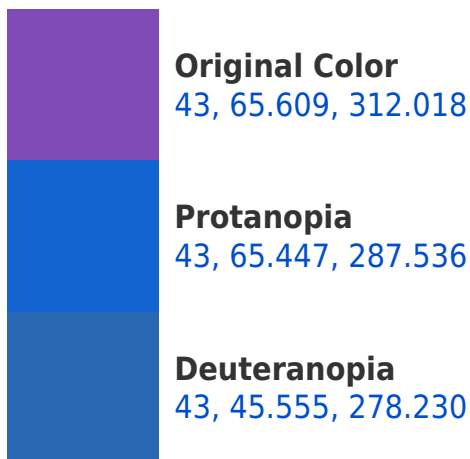



This preview shows how white text looks on a background with the CIELCh color 43, 65.609, 312.018.

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, 8.625, 351.475

Trichromacy



Original Color
43, 65.609, 312.018

Protanomaly
42, 64.890, 292.791

Deuteranomaly
42, 51.805, 291.267

Tritanomaly
43, 28.989, 317.243

Monochromacy



Original Color
43, 65.609, 312.018

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 24.632, 310.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 65.609, 312.018 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(129, 75, 183)` looks like.

```
.text, #text, p{  
    color:rgb(129, 75, 183)  
}
```

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(129, 75, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 75, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 65.609, 312.018 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(129, 75, 183) }
```

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

```
.border{ border-color:rgb(129, 75, 183) }
```

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

Here you see how a box with a 4 pixel rgb(129, 75, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 75, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 75, 183);  
box-shadow:4px 4px 4px 4px rgb(129, 75,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 65.609, 312.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 75, 183) }
```

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

```
.background{ background-color: rgb(129, 75,  
183) }
```

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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