

Converting Colors

CIELCh(43, 16.908, 293.987)

Have a look what the booklet for
CIELCh(43, 16.908, 293.987)
contains.

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Color

CIELCh(43, 16.889, 293.843)

Conversions

Conversions Part 1

Format	Color
Hex	64637F
RGB	100, 99, 127
RGB Percent	39%, 39%, 50%
CMY	0.6079, 0.6119, 0.5021
CMYK	0.21, 0.22, 0.00, 0.50
HSL	242°, 12%, 44%
HSV	242°, 22%, 50%
XYZ	13.5405, 13.1578, 21.8947
YIQ	102.4910, -8.3920, 8.9200

Conversions

Conversions Part 2

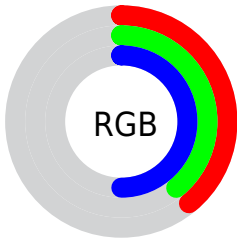
Format	Color
R_{YB}	100, 99, 127
Decimal	6579071
CIE _{Lab}	43.00, 6.83, -15.45
CIE _{LCh}	43, 16.889, 293.843
Yxy	13.1578, 0.2787, 0.2708
Android (android.graphics.Color)	4284769151 (0xFF64637F)
YUV	102.4910, 12.0829, -2.1846
Hunter-Lab	36.2736, 3.1532, -10.3958

Details

The CIELCh color $[43, 16.889, 293.843]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[52, 16.078, 109.655]$, and the grayscale version is $[43, 0.006, 296.813]$.

A 20% lighter version of the original color is $[63, 16.814, 293.190]$, and $[23, 16.687, 293.712]$ is the 20% darker color. If you saturate the color by 10%, you get $[38, 25.047, 295.146]$, and if you desaturate by 10%, it is $[48, 9.051, 292.723]$.

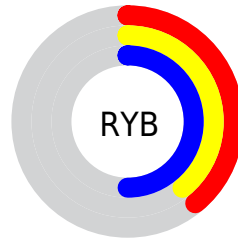
Distribution



Red (39%)

Green (39%)

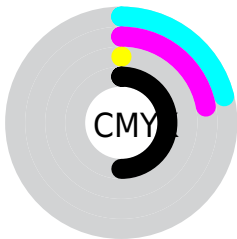
Blue (50%)



Red (39%)

Yellow (39%)

Blue (50%)

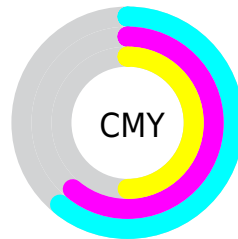


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (50%)



Cyan (61%)


Magenta (61%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 16.889, 293.843 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, 16.889, 293.843 by changing the saturation by 10% instead.


 43, 16.889,
293.843


 43, 16.889,
293.843


 100, 16.889,
293.843


 33, 16.889,
293.843

 63, 16.889,
293.843


 23, 16.889,
293.843

 73, 16.889,
293.843

 13, 16.889,
293.843


 83, 16.889,
293.843

 3, 16.889, 293.843

 93, 16.889,
293.843

 0, 16.889, 293.843

 43, 16.889,

 43, 16.889,

293.843

■ 38, 25.047,
295.146

■ 34, 33.537,
296.653

■ 29, 42.340,
298.364

■ 25, 51.353,
300.243

■ 21, 60.299,
302.189

■ 17, 68.565,
304.008

■ 15, 75.128,
305.422

■ 13, 79.592,
306.452

293.843

■ 48, 9.051, 292.723

■ 52, 1.516, 291.785

■ 57, 5.739, 110.934

■ 61, 12.733,
110.234

■ 66, 19.484,
109.630

■ 70, 26.009,
109.109

■ 75, 32.323,
108.657

■ 79, 38.439,
108.264

■ 83, 44.369,

Harmonies

Complementary

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



43, 16.889, 293.843



52, 16.078, 109.655

Rectangle

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



43, 16.889, 293.843



43, 16.889, 343.843



43, 16.889, 113.843



43, 16.889, 163.843

Sweetspot

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



43, 16.888, 293.842



64, 6.480, 292.239



51, 10.154, 201.470



33, 4.247, 292.282



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



43, 16.888, 293.842



53, 24.990, 294.414



44, 17.816, 311.184



24, 4.225, 292.426



13, 79.832, 306.451



0, 0.000, 0.000

Inverse Universe

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



46, 19.506, 326.576



57, 28.597, 326.821



51, 17.346, 129.278



25, 4.980, 325.869



29, 67.283, 329.655



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 43, 16.889, 293.843 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, 16.889, 293.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

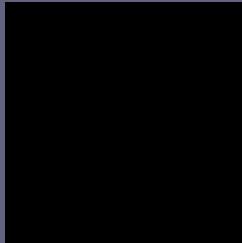
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 43, 16.889, 293.843

Background



This preview shows how black text looks on a background with the CIELCh color 43, 16.889, 293.843.



This preview shows how white text looks on a background with the CIELCh color 43, 16.889, 293.843.

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

43, 16.889, 293.843

Protanopia

43, 16.914, 286.404

Deuteranopia

43, 16.256, 289.895



Tritanopia
43, 5.165, 268.345

Trichromacy



Original Color
43, 16.889, 293.843

Protanomaly
43, 16.867, 288.846

Deuteranomaly
43, 16.250, 291.189

Tritanomaly
43, 9.080, 284.137

Monochromacy



Original Color
43, 16.889, 293.843

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 6.021, 291.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 16.889, 293.843 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(100, 99, 127)` looks like.

```
.text, #text, p{  
    color:rgb(100, 99, 127)  
}
```

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(100, 99, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 99, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 16.889, 293.843 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(100, 99, 127) }
```

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

```
.border{ border-color:rgb(100, 99, 127) }
```

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

Here you see how a box with a 4 pixel rgb(100, 99, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 99, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 99, 127);  
box-shadow:4px 4px 4px 4px rgb(100, 99,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 16.889, 293.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 99, 127) }
```

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

```
.background{ background-color: rgb(100, 99,  
127) }
```

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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