

Converting Colors

CIELCh(50, 43.548, 301.460)

Have a look what the booklet for
CIELCh(50, 43.548, 301.460)
contains.

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Color

CIELCh(50, 43.685, 301.670)

Conversions

Conversions Part 1

Format	Color
Hex	7B6CB6
RGB	123, 108, 182
RGB Percent	48%, 42%, 71%
CMY	0.5163, 0.5752, 0.2849
CMYK	0.32, 0.41, 0.00, 0.28
HSL	252°, 34%, 57%
HSV	252°, 41%, 72%
XYZ	22.0912, 18.4187, 46.8345
YIQ	120.9210, -14.8140, 26.1940

Conversions

Conversions Part 2

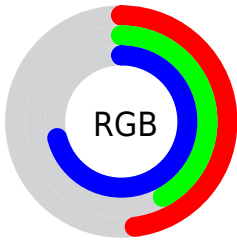
Format	Color
RYB	123, 108, 182
Decimal	8088758
CIELab	50.00, 22.94, -37.18
CIELCh	50, 43.685, 301.670
Yxy	18.4187, 0.2529, 0.2109
Android (android.graphics.Color)	4286278838 (0xFF7B6CB6)
YUV	120.9210, 30.1119, 1.8233
Hunter-Lab	42.9170, 16.7768, -34.6603

Details

The CIELCh color `50, 43.685, 301.670` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `72, 39.738, 115.387`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 43.251, 301.383`, and `30, 44.181, 301.824` is the 20% darker color. If you saturate the color by 10%, you get `44, 55.356, 302.838`, and if you desaturate by 10%, it is `56, 32.326, 300.611`.

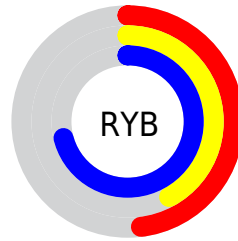
Distribution



Red (48%)

Green (42%)

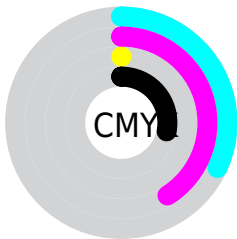
Blue (71%)



Red (48%)

Yellow (42%)

Blue (71%)

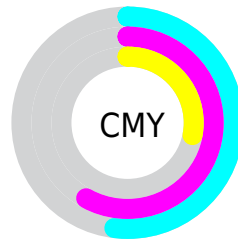


Cyan (32%)

Magenta (41%)

Yellow (0%)

Black (28%)



Cyan (52%)


Magenta (58%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 43.685, 301.670 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 50, 43.685, 301.670 by changing the saturation by 10% instead.


 50, 43.685,
301.670


 50, 43.685,
301.670


 100, 43.685,
301.670


 40, 43.685,
301.670


 70, 43.685,
301.670

 30, 43.685,
301.670


 80, 43.685,
301.670


 20, 43.685,
301.670

 90, 43.685,
301.670

 10, 43.685,
301.670

 0, 43.685, 301.670

 50, 43.685,
301.670

 50, 43.685,
301.670

44, 55.356,
302.838

56, 32.326,
300.611

39, 67.152,
304.076

62, 21.355,
299.673

33, 78.656,
305.296

68, 10.785,
298.854

29, 89.082,
306.347

74, 0.607, 298.125

25, 97.235,
307.017

80, 9.198, 117.533

23, 102.413,
307.289

86, 18.651,
117.004

91, 27.774,
116.550

97, 36.590,
116.159

98, 36.494,
107.910

Harmonies

Complementary

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



50, 43.685, 301.670



72, 39.738, 115.387

Rectangle

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



50, 43.685, 301.670



50, 43.685, 351.670



50, 43.685, 121.670



50, 43.685, 171.670

Sweetspot

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



50, 43.684, 301.670



85, 15.161, 298.977



65, 20.550, 221.756



44, 10.162, 299.080



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



50, 43.684, 301.670



58, 66.289, 302.744



54, 46.073, 317.447



36, 5.783, 298.758



19, 90.958, 307.374



1, 15.487, 296.150

Inverse Universe

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



56, 42.671, 333.271



67, 62.812, 333.929



69, 44.723, 133.733



36, 6.002, 331.176



35, 68.398, 338.171



3, 15.345, 334.061

Previews

White Background



This preview shows how the CIELCh color 50, 43.685, 301.670 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 50, 43.685, 301.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

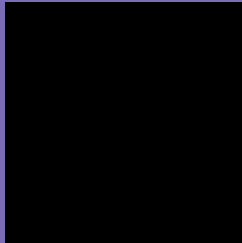
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 43.685, 301.670

Background



This preview shows how black text looks on a background with the CIELCh color 50, 43.685, 301.670.



This preview shows how white text looks on a background with the CIELCh color 50, 43.685, 301.670.

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

50, 43.685, 301.670

Protanopia

50, 42.866, 285.567

Deuteranopia

50, 36.750, 281.761



Tritanopia
50, 6.030, 260.300

Trichromacy



Original Color
50, 43.685, 301.670

Protanomaly
50, 42.656, 291.038

Deuteranomaly
50, 39.244, 289.743

Tritanomaly
50, 18.759, 292.576

Monochromacy



Original Color
50, 43.685, 301.670

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 16.016, 300.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 43.685, 301.670 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(123, 108, 182)` looks like.

```
.text, #text, p{  
    color:rgb(123, 108, 182)  
}
```

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(123, 108, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 108, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 43.685, 301.670 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(123, 108, 182) }
```

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

```
.border{ border-color:rgb(123, 108, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 108, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 108, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 108, 182);  
box-shadow:4px 4px 4px 4px rgb(123, 108,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 43.685, 301.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 108, 182) }
```

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

```
.background{ background-color: rgb(123,  
108, 182) }
```

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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