

Converting Colors

CIELCh(55, 42.993, 1.206)

Have a look what the booklet for
CIELCh(55, 42.993, 1.206) contains.

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Color

CIELCh(55, 42.834, 0.891)

Conversions

Conversions Part 1

Format	Color
Hex	C76484
RGB	199, 100, 132
RGB Percent	78%, 39%, 52%
CMY	0.2195, 0.6077, 0.4823
CMYK	0.00, 0.50, 0.34, 0.22
HSL	341°, 47%, 59%
HSV	341°, 50%, 78%
XYZ	32.2845, 22.9298, 24.5614
YIQ	133.2490, 48.7320, 30.9400

Conversions

Conversions Part 2

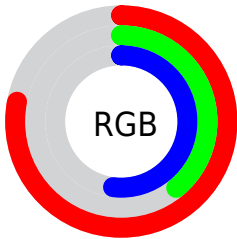
Format	Color
R_{YB}	199, 100, 132
Decimal	13067396
CIE _{Lab}	55.00, 42.83, 0.67
CIE _{LCh}	55, 42.834, 0.891
Yxy	22.9298, 0.4047, 0.2874
Android (android.graphics.Color)	4291257476 (0xFFC76484)
YUV	133.2490, -0.6158, 57.6636
Hunter-Lab	47.8851, 36.5471, 3.1084

Details

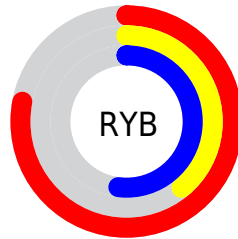
The CIELCh color $55, 42.834, 0.891$ is a dark color, and the websafe version is hex `CC6699`. A complement of this color would be $74, 37.436, 168.987$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 41.954, 359.901$, and $35, 42.881, 0.626$ is the 20% darker color. If you saturate the color by 10%, you get $51, 50.962, 3.124$, and if you desaturate by 10%, it is $60, 34.179, 359.090$.

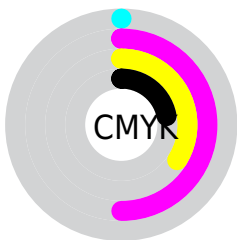
Distribution



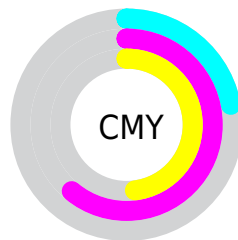
- Red (78%)
- Green (39%)
- Blue (52%)



- Red (78%)
- Yellow (39%)
- Blue (52%)



- Cyan (0%)
- Magenta (50%)
- Yellow (34%)
- Black (22%)



- Cyan (22%)
- Magenta (61%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 42.834, 0.891 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 55, 42.834, 0.891 by changing the saturation by 10% instead.

 55, 42.834, 0.891  55, 42.834, 0.891

 100, 42.834, 0.891  45, 42.834, 0.891

 75, 42.834, 0.891  35, 42.834, 0.891


 85, 42.834, 0.891  25, 42.834, 0.891

 95, 42.834, 0.891  15, 42.834, 0.891

 5, 42.834, 0.891

 0, 42.834, 0.891

 55, 42.834, 0.891  55, 42.834, 0.891

 51, 50.962, 3.124  60, 34.179,
359.090

 48, 58.168, 5.934

45, 64.084, 9.495

64, 25.347,
357.600

43, 68.560, 13.955

70, 16.580,
356.339

42, 72.017, 19.173

42, 72.110, 19.306

75, 8.035, 355.233

80, 0.204, 176.651

86, 8.098, 173.578

91, 15.642,
172.805

96, 20.629,
175.842

96, 18.507,
195.484

Harmonies

Complementary

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



55, 42.834, 0.891



74, 37.436, 168.987

Rectangle

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



55, 42.834, 0.891



55, 42.834, 50.891



55, 42.834, 180.891



55, 42.834, 230.891

Sweetspot

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



55, 42.831, 0.893



90, 15.285, 355.825



53, 60.180, 316.760



47, 10.468, 356.064



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



55, 42.831, 0.893



64, 62.473, 3.412



58, 38.363, 37.003



39, 4.672, 355.195



34, 61.987, 18.407



4, 16.620, 3.054

Inverse Universe

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



55, 42.831, 0.893



64, 62.473, 3.412



70, 26.206, 217.993



39, 4.672, 355.195



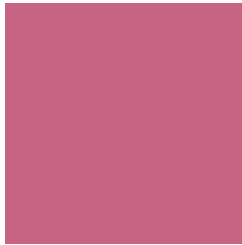
34, 61.987, 18.407



4, 16.620, 3.054

Previews

White Background



This preview shows how the CIELCh color 55, 42.834, 0.891 looks on a white background.

Color Contrast Check

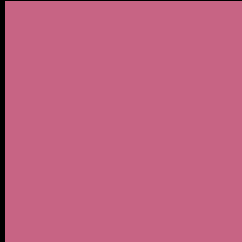
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 55, 42.834, 0.891 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 55, 42.834, 0.891

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.834, 0.891.



This preview shows how white text looks on a background with the CIELCh color 55, 42.834, 0.891.

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

55, 42.834, 0.891

Protanopia

55, 11.500, 287.871

Deuteranopia

55, 7.763, 24.379



Tritanopia
55, 39.787, 19.011

Trichromacy



Original Color
55, 42.834, 0.891

Protanomaly
54, 19.121, 335.550

Deuteranomaly
55, 20.543, 4.188

Tritanomaly
55, 40.283, 12.126

Monochromacy



Original Color
55, 42.834, 0.891

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 16.021, 355.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.834, 0.891 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(199, 100, 132)` looks like.

```
.text, #text, p{  
    color:rgb(199, 100, 132)  
}
```

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(199, 100, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 100, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.834, 0.891 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(199, 100, 132) }
```

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

```
.border{ border-color:rgb(199, 100, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 100, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 100, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 100, 132);  
box-shadow:4px 4px 4px 4px rgb(199, 100,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.834, 0.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 100, 132) }
```

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

```
.background{ background-color: rgb(199,  
100, 132) }
```

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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