

Converting Colors

CIELCh(55, 42.741, 327.631)

Have a look what the booklet for
CIELCh(55, 42.741, 327.631)
contains.

| | |
|--|----|
| CIELCh(55, 42.791, 327.744) | 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(55, 42.791, 327.744)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AF6DAC |
| RGB | 175, 109, 172 |
| RGB Percent | 69%, 43%, 67% |
| CMY | 0.3148, 0.5736, 0.3266 |
| CMYK | 0.00, 0.38, 0.02, 0.31 |
| HSL | 303°, 29%, 56% |
| HSV | 303°, 38%, 69% |
| XYZ | 30.4755, 22.9298, 41.7092 |
| YIQ | 135.9160, 19.1130, 33.5850 |

Conversions

Conversions Part 2

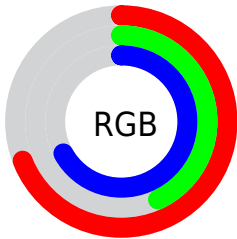
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 175, 109, 172 |
| Decimal | 11496876 |
| CIE Lab | 55.00, 36.19, -22.84 |
| CIE LCh | 55, 42.791, 327.744 |
| Yxy | 22.9298, 0.3204, 0.2411 |
| Android (android.graphics.Color) | 4289686956 (0xFFAF6DAC) |
| YUV | 135.9160, 17.7894, 34.2767 |
| Hunter-Lab | 47.8851, 29.8037, -18.1236 |

Details

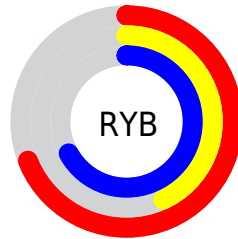
The CIELCh color $55, 42.791, 327.744$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $66, 42.844, 142.871$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 42.932, 327.714$, and $35, 43.043, 327.463$ is the 20% darker color. If you saturate the color by 10%, you get $51, 53.336, 328.257$, and if you desaturate by 10%, it is $59, 31.654, 327.204$.

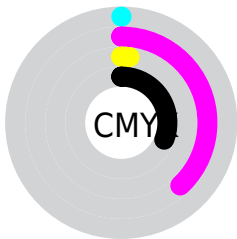
Distribution



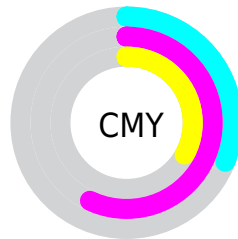
- Red (69%)
- Green (43%)
- Blue (67%)



- Red (69%)
- Yellow (43%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (2%)
- Black (31%)





- Cyan (31%)
- Magenta (57%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 42.791, 327.744 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, 42.791, 327.744 by changing the saturation by 10% instead.


 55, 42.791,
327.744

 55, 42.791,
327.744


 100, 42.791,
327.744


 45, 42.791,
327.744


 75, 42.791,
327.744

 35, 42.791,
327.744

 85, 42.791,
327.744

 25, 42.791,
327.744

 95, 42.791,
327.744

 15, 42.791,
327.744

 5, 42.791, 327.744

 0, 42.791, 327.744

55, 42.791,
327.744

55, 42.791,
327.744

51, 53.336,
328.257

59, 31.654,
327.204

48, 62.897,
328.730

63, 20.249,
326.648

45, 71.027,
329.151

68, 8.808, 326.078

43, 77.310,
329.512

72, 2.508, 145.655

42, 81.470,
329.813

77, 13.596,
145.042

41, 83.617,
330.062

82, 24.397,
144.520

41, 84.005,
330.115

87, 34.880,
144.025

92, 45.036,
143.557

 93, 48.516,
143.560

Harmonies

Complementary

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



55, 42.791, 327.744



66, 42.844, 142.871

Rectangle

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



55, 42.791, 327.744



55, 42.791, 17.744



55, 42.791, 147.744



55, 42.791, 197.744

Sweetspot

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



55, 42.789, 327.744



84, 15.471, 326.276



49, 38.839, 296.073



44, 10.486, 326.352



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



55, 42.789, 327.744



67, 62.390, 328.158



54, 31.146, 349.280



34, 6.390, 326.168



35, 75.279, 330.091



2, 13.242, 326.271

Inverse Universe

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



55, 42.789, 327.744



67, 62.390, 328.158



66, 29.530, 161.803



34, 6.390, 326.168



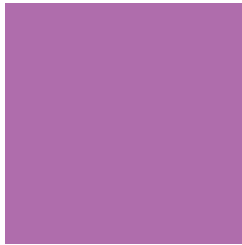
35, 75.279, 330.091



2, 13.242, 326.271

Previews

White Background



This preview shows how the CIELCh color 55, 42.791, 327.744 looks on a white background.

Color Contrast Check

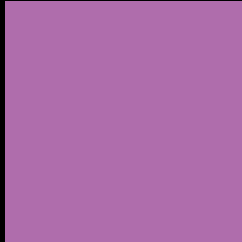
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 42.791, 327.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

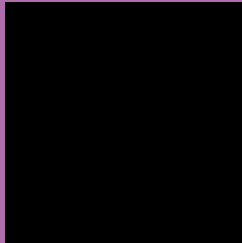
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 42.791, 327.744

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.791, 327.744.

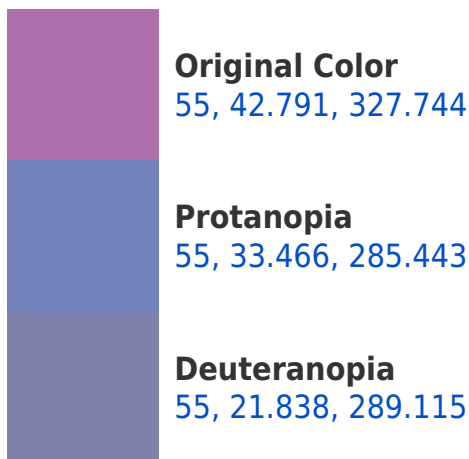


This preview shows how white text looks on a background with the CIELCh color 55, 42.791, 327.744.

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
55, 21.563, 8.330

Trichromacy



Original Color
55, 42.791, 327.744

Protanomaly
55, 34.998, 301.853

Deuteranomaly
55, 28.296, 309.321

Tritanomaly
55, 27.042, 346.698

Monochromacy



Original Color
55, 42.791, 327.744

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 16.136, 326.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.791, 327.744 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(175, 109, 172)` looks like.

```
.text, #text, p{  
    color:rgb(175, 109, 172)  
}
```

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(175, 109, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 109, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.791, 327.744 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(175, 109, 172) }
```

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

```
.border{ border-color:rgb(175, 109, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 109, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 109, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 109, 172);  
box-shadow:4px 4px 4px 4px rgb(175, 109,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.791, 327.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 109, 172) }
```

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

```
.background{ background-color: rgb(175,  
109, 172) }
```

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