

Converting Colors

CIELCh(45, 51.671, 343.583)

Have a look what the booklet for
CIELCh(45, 51.671, 343.583)
contains.

| | |
|--|----|
| CIELCh(45, 51.676, 343.607) | 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(45, 51.676, 343.607)

Conversions

| Conversions Part 1 | |
|--------------------|----------------------------|
| Format | Color |
| Hex | AC4484 |
| RGB | 172, 68, 132 |
| RGB Percent | 67%, 27%, 52% |
| CMY | 0.3259, 0.7337, 0.4828 |
| CMYK | 0.00, 0.60, 0.23, 0.33 |
| HSL | 323°, 43%, 47% |
| HSV | 323°, 60%, 67% |
| XYZ | 23.2062, 14.5417, 23.3759 |
| YIQ | 106.3920, 41.4400, 41.9520 |

Conversions

Conversions Part 2

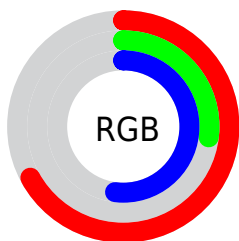
| Format | Color |
|-------------------------------------|--|
| RYB | 172, 68, 132 |
| Decimal | 11289732 |
| CIELab | 45.00, 49.58, -14.58 |
| CIELCh | 45, 51.676, 343.607 |
| Yxy | 14.5417, 0.3797, 0.2379 |
| Android (android.graphics.Color) | 4289479812 (0xFFAC4484) |
| YUV | 106.3920, 12.6247, 57.5382 |
| Hunter-Lab | 38.1336, 41.8926, -9.6513 |

Details

The CIELCh color **45, 51.676, 343.607** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **63, 50.864, 151.553**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 51.924, 343.639**, and **25, 51.566, 343.677** is the 20% darker color. If you saturate the color by 10%, you get **42, 57.802, 345.057**, and if you desaturate by 10%, it is **48, 44.248, 342.376**.

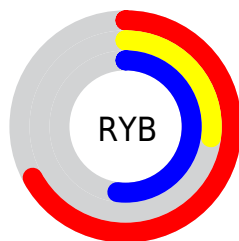
Distribution



Red (67%)

Green (27%)

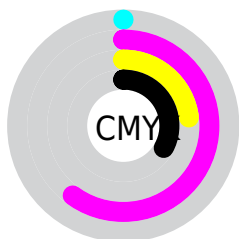
Blue (52%)



Red (67%)

Yellow (27%)

Blue (52%)

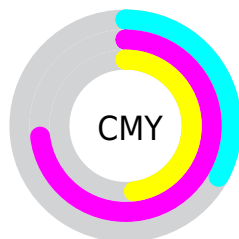


Cyan (0%)

Magenta (60%)

Yellow (23%)

Black (33%)



Cyan (33%)

Magenta (73%)


Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 51.676, 343.607 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 45, 51.676, 343.607 by changing the saturation by 10% instead.


 45, 51.676,
343.607


 45, 51.676,
343.607


 100, 51.676,
343.607


 35, 51.676,
343.607

 65, 51.676,
343.607


 25, 51.676,
343.607

 75, 51.676,
343.607

 15, 51.676,
343.607

 85, 51.676,
343.607

 5, 51.676, 343.607

 95, 51.676,
343.607


 0, 51.676, 343.607

 45, 51.676,


 45, 51.676,


343.607


343.607

 42, 57.802,
345.057


 48, 44.248,
342.376


 40, 62.220,
346.810

 52, 35.964,
341.301

 38, 64.668,
348.973

 56, 27.196,
340.342


 37, 65.553,
351.409

 61, 18.231,
339.469

 65, 9.270, 338.656

 70, 0.442, 337.218

 75, 8.176, 157.313

 80, 16.545,
156.656

 85, 24.649,

Harmonies

Complementary

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



45, 51.676, 343.607



63, 50.864, 151.553

Rectangle

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



45, 51.676, 343.607



45, 51.676, 33.607



45, 51.676, 163.607



45, 51.676, 213.607

Sweetspot

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



45, 51.673, 343.608



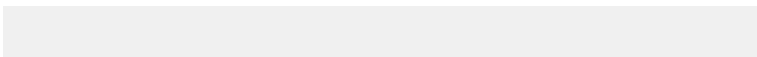
79, 19.859, 339.288



38, 63.774, 308.748



40, 13.804, 339.523



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 51.673, 343.608



54, 72.857, 345.684



43, 46.119, 18.997



34, 5.029, 338.561



33, 59.551, 351.067



2, 9.843, 342.602

Inverse Universe

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



45, 51.673, 343.608



54, 72.857, 345.684



64, 32.873, 184.707



34, 5.029, 338.561



33, 59.551, 351.067



2, 9.843, 342.602

Previews

White Background



This preview shows how the CIELCh color 45, 51.676, 343.607 looks on a white background.

Color Contrast Check

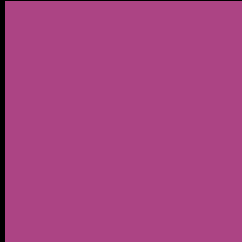
Large Text (above 18pt) WCAG AA ✓ Pass

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 45, 51.676, 343.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

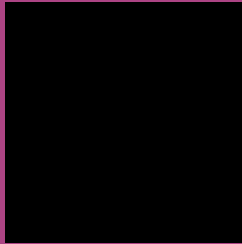
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 51.676, 343.607

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.676, 343.607.



This preview shows how white text looks on a background with the CIELCh color 45, 51.676, 343.607.

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

45, 51.676, 343.607

Protanopia

45, 32.926, 285.859

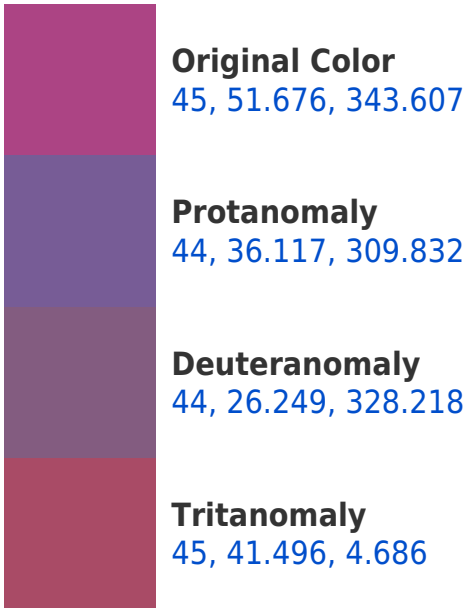
Deuteranopia

45, 12.610, 297.116

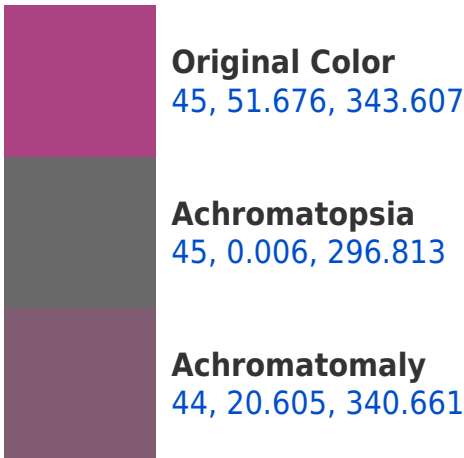


Tritanopia
45, 39.714, 20.723

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.676, 343.607 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(172, 68, 132)` looks like.

```
.text, #text, p{  
    color:rgb(172, 68, 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(172, 68, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 68, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.676, 343.607 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(172, 68, 132) }
```

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

```
.border{ border-color:rgb(172, 68, 132) }
```

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

Here you see how a box with a 4 pixel rgb(172, 68, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 68, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 68, 132);  
box-shadow:4px 4px 4px 4px rgb(172, 68,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.676, 343.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 68, 132) }
```

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

```
.background{ background-color: rgb(172, 68,  
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](#).

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