

Converting Colors

CIELCh(44, 72.548, 328.285)

Have a look what the booklet for
CIELCh(44, 72.548, 328.285)
contains.

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Color

CIELCh(44, 72.492, 328.554)

Conversions

Conversions Part 1

Format	Color
Hex	AB33A8
RGB	171, 51, 168
RGB Percent	67%, 20%, 66%
CMY	0.3296, 0.8002, 0.3414
CMYK	0.00, 0.70, 0.02, 0.33
HSL	301°, 54%, 44%
HSV	301°, 70%, 67%
XYZ	25.0250, 13.8382, 38.3700
YIQ	100.2180, 33.9630, 61.8270

Conversions

Conversions Part 2

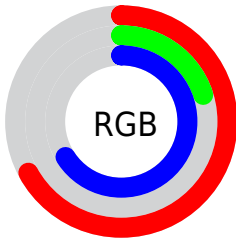
Format	Color
R_{YB}	171, 51, 168
Decimal	11219880
CIE _{Lab}	44.00, 61.85, -37.82
CIE _{LCh}	44, 72.492, 328.554
Yxy	13.8382, 0.3240, 0.1792
Android (android.graphics.Color)	4289409960 (0xFFAB33A8)
YUV	100.2180, 33.4165, 62.0758
Hunter-Lab	37.1997, 54.9809, -35.1154

Details

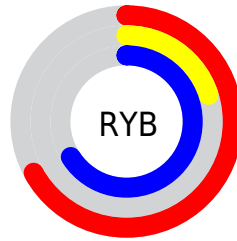
The CIELCh color **44, 72.492, 328.554** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 73.997, 138.731**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 72.716, 328.420**, and **26, 64.201, 328.233** is the 20% darker color. If you saturate the color by 10%, you get **42, 78.307, 328.853**, and if you desaturate by 10%, it is **46, 64.776, 328.183**.

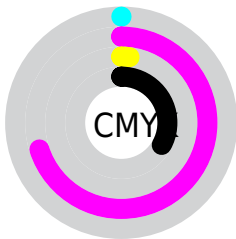
Distribution



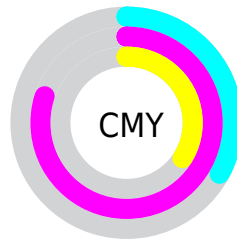
- Red (67%)
- Green (20%)
- Blue (66%)



- Red (67%)
- Yellow (20%)
- Blue (66%)



- Cyan (0%)
- Magenta (70%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (80%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 72.492, 328.554 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 44, 72.492, 328.554 by changing the saturation by 10% instead.

 44, 72.492,
328.554


 44, 72.492,
328.554


 100, 72.492,
328.554

 34, 72.492,
328.554

 64, 72.492,
328.554

 24, 72.492,
328.554

 74, 72.492,
328.554

 14, 72.492,
328.554

 84, 72.492,
328.554

 4, 72.492, 328.554

 94, 72.492,
328.554

 0, 72.492, 328.554

 44, 72.492,

 44, 72.492,

328.554

328.554

■ 42, 78.307,
328.853

■ 46, 64.776,
328.183

■ 41, 82.012,
329.078

■ 50, 55.549,
327.750

■ 40, 83.990,
329.243

■ 53, 45.243,
327.266

■ 57, 34.264,
326.747

■ 61, 22.948,
326.205

■ 65, 11.545,
325.648

■ 70, 0.231, 324.110

■ 74, 10.877,
144.613

■ 79, 21.712,
144.087

Harmonies

Complementary

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



44, 72.492, 328.554



62, 73.997, 138.731

Rectangle

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



44, 72.492, 328.554



44, 72.492, 18.554



44, 72.492, 148.554



44, 72.492, 198.554

Sweetspot

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



44, 72.490, 328.554



77, 29.497, 326.269



30, 74.991, 301.898



40, 20.126, 326.415



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



44, 72.490, 328.554



54, 97.824, 328.981



41, 53.829, 353.702



34, 6.480, 325.598



35, 76.476, 329.233



2, 13.514, 325.435

Inverse Universe

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



44, 72.490, 328.554



54, 97.824, 328.981



63, 50.919, 156.196



34, 6.480, 325.598



35, 76.476, 329.233



2, 13.514, 325.435

Previews

White Background



This preview shows how the CIELCh color 44, 72.492, 328.554 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 44, 72.492, 328.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

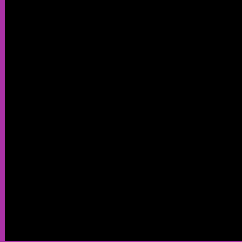
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 72.492, 328.554

Background



This preview shows how black text looks on a background with the CIELCh color 44, 72.492, 328.554.

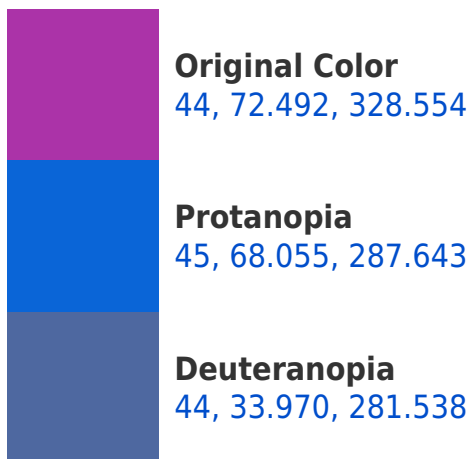


This preview shows how white text looks on a background with the CIELCh color 44, 72.492, 328.554.

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
44, 37.210, 20.830

Trichromacy



Original Color
44, 72.492, 328.554



Protanomaly
40, 69.213, 296.818



Deuteranomaly
42, 47.817, 306.711



Tritanomaly
43, 45.054, 351.532

Monochromacy



Original Color
44, 72.492, 328.554



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 30.856, 326.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 72.492, 328.554 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(171, 51, 168)` looks like.

```
.text, #text, p{  
    color:rgb(171, 51, 168)  
}
```

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(171, 51, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 51, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 72.492, 328.554 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(171, 51, 168) }
```

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

```
.border{ border-color:rgb(171, 51, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 51, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 51, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 51, 168);  
box-shadow:4px 4px 4px 4px rgb(171, 51,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 72.492, 328.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 51, 168) }
```

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

```
.background{ background-color: rgb(171, 51,  
168) }
```

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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