

Converting Colors

CIELCh(45, 72.506, 329.434)

Have a look what the booklet for
CIELCh(45, 72.506, 329.434)
contains.

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Color

CIELCh(45, 72.318, 329.356)

Conversions

Conversions Part 1

Format	Color
Hex	AF35A9
RGB	175, 53, 169
RGB Percent	69%, 21%, 66%
CMY	0.3135, 0.7918, 0.3370
CMYK	0.00, 0.70, 0.03, 0.31
HSL	303°, 53%, 45%
HSV	303°, 70%, 69%
XYZ	26.1384, 14.5417, 38.9977
YIQ	102.7020, 35.4760, 61.9400

Conversions

Conversions Part 2

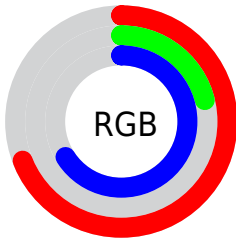
Format	Color
R_{YB}	175, 53, 169
Decimal	11482537
CIE _{Lab}	45.00, 62.22, -36.86
CIE _{LCh}	45, 72.318, 329.356
Yxy	14.5417, 0.3281, 0.1825
Android (android.graphics.Color)	4289672617 (0xFFAF35A9)
YUV	102.7020, 32.6849, 63.4053
Hunter-Lab	38.1336, 55.6178, -33.9399

Details

The CIELCh color **45, 72.318, 329.356** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **63, 73.988, 139.330**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 72.519, 329.176**, and **27, 64.550, 329.219** is the 20% darker color. If you saturate the color by 10%, you get **43, 78.193, 329.715**, and if you desaturate by 10%, it is **48, 64.521, 328.939**.

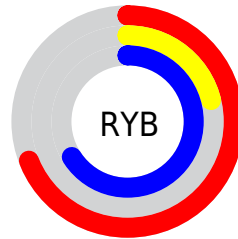
Distribution



Red (69%)

Green (21%)

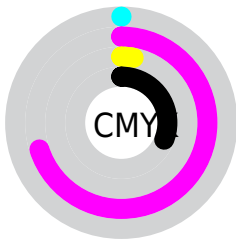
Blue (66%)



Red (69%)

Yellow (21%)

Blue (66%)

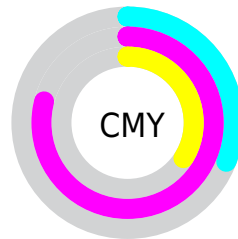


Cyan (0%)

Magenta (70%)

Yellow (3%)

Black (31%)



Cyan (31%)


Magenta (79%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 72.318, 329.356 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, 72.318, 329.356 by changing the saturation by 10% instead.


 45, 72.318,
329.356


 45, 72.318,
329.356


 100, 72.318,
329.356


 35, 72.318,
329.356


 65, 72.318,
329.356


 25, 72.318,
329.356

 75, 72.318,
329.356

 15, 72.318,
329.356

 85, 72.318,
329.356

 5, 72.318, 329.356

 95, 72.318,
329.356

 0, 72.318, 329.356

 45, 72.318,

 45, 72.318,

329.356

■ 43, 78.193,
329.715

■ 42, 81.916,
330.016

■ 41, 83.824,
330.274

■ 41, 83.879,
330.282

329.356

■ 48, 64.521,
328.939

■ 51, 55.209,
328.470

■ 54, 44.828,
327.960

■ 58, 33.788,
327.421

■ 63, 22.424,
326.866

■ 67, 10.987,
326.298

■ 72, 0.351, 146.465

■ 76, 11.478,
145.253

■ 81, 22.326,
144.724

Harmonies

Complementary

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



45, 72.318, 329.356



63, 73.988, 139.330

Rectangle

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



45, 72.318, 329.356



45, 72.318, 19.356



45, 72.318, 149.356



45, 72.318, 199.356

Sweetspot

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



45, 72.316, 329.356



79, 29.557, 326.960



31, 75.812, 302.073



40, 20.168, 327.111



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



45, 72.316, 329.356



55, 97.862, 329.895



42, 54.228, 354.804



34, 6.374, 326.276



35, 75.057, 330.256



2, 13.192, 326.429

Inverse Universe

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



45, 72.316, 329.356



55, 97.862, 329.895



64, 50.795, 157.156



34, 6.374, 326.276



35, 75.057, 330.256



2, 13.192, 326.429

Previews

White Background



This preview shows how the CIELCh color 45, 72.318, 329.356 looks on a white background.

Color Contrast Check

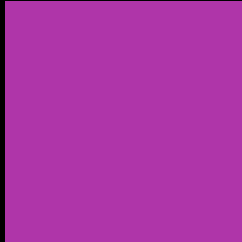
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.318, 329.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

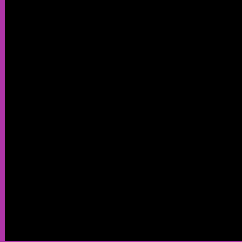
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 72.318, 329.356

Background



This preview shows how black text looks on a background with the CIELCh color 45, 72.318, 329.356.

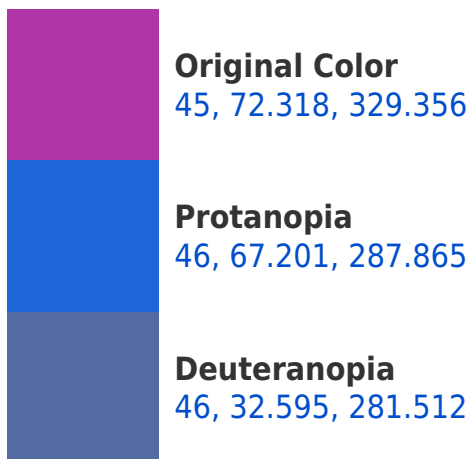


This preview shows how white text looks on a background with the CIELCh color 45, 72.318, 329.356.

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



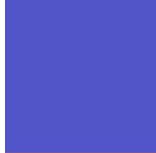


Tritanopia
45, 38.347, 20.273

Trichromacy



Original Color
45, 72.318, 329.356



Protanomaly
42, 68.250, 298.427



Deuteranomaly
43, 47.194, 307.575



Tritanomaly
44, 45.904, 352.587

Monochromacy



Original Color
45, 72.318, 329.356



Achromatopsia
44, 0.006, 296.813



Achromatomaly
42, 30.275, 327.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 72.318, 329.356 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, 53, 169)` looks like.

```
.text, #text, p{  
    color:rgb(175, 53, 169)  
}
```

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, 53, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 53, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 72.318, 329.356 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, 53, 169) }
```

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

```
.border{ border-color:rgb(175, 53, 169) }
```

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

Here you see how a box with a 4 pixel rgb(175, 53, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 53, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 53, 169);  
box-shadow:4px 4px 4px 4px rgb(175, 53,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 72.318, 329.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 53, 169) }
```

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

```
.background{ background-color: rgb(175, 53,  
169) }
```

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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