

Converting Colors

CIELCh(45, 69.991, 327.827)

Have a look what the booklet for
CIELCh(45, 69.991, 327.827)
contains.

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Color

CIELCh(45, 70.230, 327.615)

Conversions

Conversions Part 1

Format	Color
Hex	AA3AAA
RGB	170, 58, 170
RGB Percent	67%, 23%, 67%
CMY	0.3323, 0.7715, 0.3323
CMYK	0.00, 0.66, 0.00, 0.33
HSL	300°, 49%, 45%
HSV	300°, 66%, 67%
XYZ	25.4424, 14.5417, 39.6228
YIQ	104.2560, 30.8000, 58.5760

Conversions

Conversions Part 2

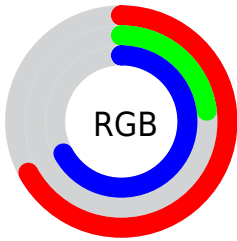
Format	Color
R_{YB}	170, 58, 170
Decimal	11156138
CIE _{Lab}	45.00, 59.31, -37.62
CIE _{LCh}	45, 70.230, 327.615
Yxy	14.5417, 0.3196, 0.1827
Android (android.graphics.Color)	4289346218 (0xFFAA3AAA)
YUV	104.2560, 32.4118, 57.6575
Hunter-Lab	38.1336, 52.3600, -34.9119

Details

The CIELCh color **45, 70.230, 327.615** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **62, 71.216, 138.681**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 70.158, 327.563**, and **26, 65.068, 327.261** is the 20% darker color. If you saturate the color by 10%, you get **43, 77.045, 327.898**, and if you desaturate by 10%, it is **48, 61.668, 327.251**.

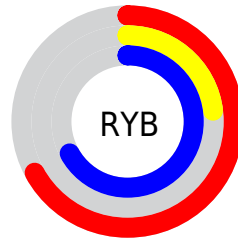
Distribution



Red (67%)

Green (23%)

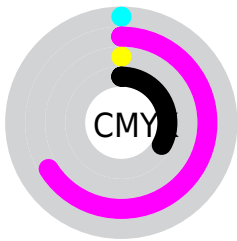
Blue (67%)



Red (67%)

Yellow (23%)

Blue (67%)

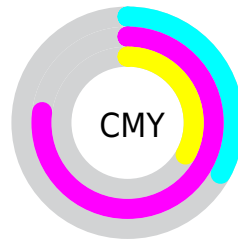


Cyan (0%)

Magenta (66%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (77%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 70.230, 327.615 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, 70.230, 327.615 by changing the saturation by 10% instead.


 45, 70.230,
327.615


 45, 70.230,
327.615


 100, 70.230,
327.615


 35, 70.230,
327.615

 65, 70.230,
327.615


 25, 70.230,
327.615

 75, 70.230,
327.615

 15, 70.230,
327.615

 85, 70.230,
327.615

 5, 70.230, 327.615

 95, 70.230,
327.615

 0, 70.230, 327.615

 45, 70.230,

 45, 70.230,

327.615

■ 43, 77.045,
327.898

■ 41, 81.823,
328.094

■ 41, 84.528,
328.203

■ 40, 85.382,
328.237

327.615

■ 48, 61.668,
327.251

■ 51, 51.779,
326.820

■ 55, 40.989,
326.339

■ 59, 29.678,
325.822

■ 63, 18.144,
325.283

■ 67, 6.607, 324.721

■ 72, 4.781, 144.269

■ 76, 15.927,
143.714

■ 81, 26.773,
143.205

Harmonies

Complementary

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



45, 70.230, 327.615



62, 71.216, 138.681

Rectangle

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



45, 70.230, 327.615



45, 70.230, 17.615



45, 70.230, 147.615



45, 70.230, 197.615

Sweetspot

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



45, 70.228, 327.615



78, 28.564, 325.532



32, 69.795, 300.682



40, 19.648, 325.679



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, 70.228, 327.615



55, 96.888, 328.000



43, 51.535, 351.600



33, 6.429, 324.924



35, 76.986, 328.237



2, 11.671, 324.443

Inverse Universe

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



45, 70.228, 327.615



55, 96.888, 328.000



62, 48.944, 156.093



33, 6.429, 324.924



35, 76.986, 328.237



2, 11.671, 324.443

Previews

White Background



This preview shows how the CIELCh color 45, 70.230, 327.615 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 CIE LCh color 45, 70.230, 327.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

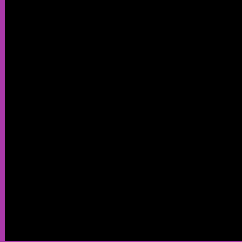
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 70.230, 327.615

Background



This preview shows how black text looks on a background with the CIELCh color 45, 70.230, 327.615.

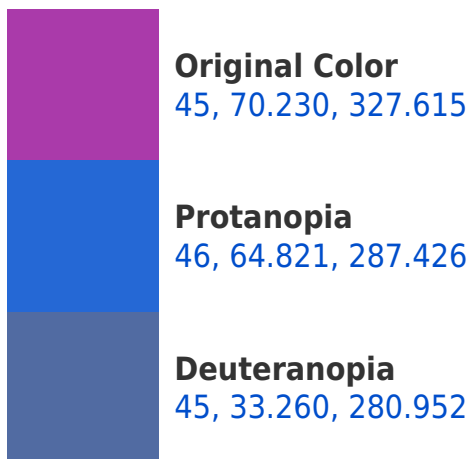


This preview shows how white text looks on a background with the CIELCh color 45, 70.230, 327.615.

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](#).

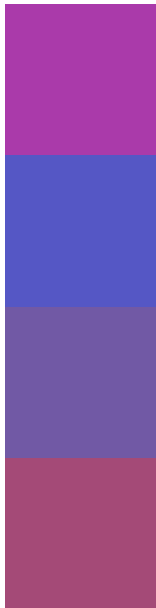
Dichromacy





Tritanopia
45, 34.671, 18.997

Trichromacy



Original Color
45, 70.230, 327.615

Protanomaly
42, 65.784, 298.259

Deuteranomaly
43, 46.310, 305.644

Tritanomaly
44, 43.021, 349.631

Monochromacy



Original Color
45, 70.230, 327.615

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 29.122, 326.093

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 70.230, 327.615 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(170, 58, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 58, 170)  
}
```

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(170, 58, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 58, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 70.230, 327.615 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(170, 58, 170) }
```

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

```
.border{ border-color:rgb(170, 58, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 58, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 58, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 58, 170);  
box-shadow:4px 4px 4px 4px rgb(170, 58,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 70.230, 327.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 58, 170) }
```

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

```
.background{ background-color: rgb(170, 58,  
170) }
```

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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