

Converting Colors

CIELCh(45, 75.772, 313.679)

Have a look what the booklet for
CIELCh(45, 75.772, 313.679)
contains.

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Color

CIELCh(45, 75.735, 313.710)

Conversions

Conversions Part 1

Format	Color
Hex	8E48C7
RGB	142, 72, 199
RGB Percent	56%, 28%, 78%
CMY	0.4426, 0.7172, 0.2191
CMYK	0.29, 0.64, 0.00, 0.22
HSL	273°, 53%, 53%
HSV	273°, 64%, 78%
XYZ	23.8262, 14.5417, 55.6616
YIQ	107.4080, 0.9530, 54.3370

Conversions

Conversions Part 2

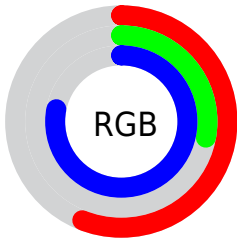
Format	Color
R_{YB}	142, 72, 199
Decimal	9324743
CIE _{Lab}	45.00, 52.33, -54.74
CIE _{LCh}	45, 75.735, 313.710
Yxy	14.5417, 0.2534, 0.1547
Android (android.graphics.Color)	4287514823 (0xFF8E48C7)
YUV	107.4080, 45.1549, 30.3372
Hunter-Lab	38.1336, 44.7943, -59.8490

Details

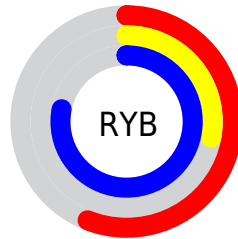
The CIELCh color **45, 75.735, 313.710** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **74, 69.783, 128.107**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 75.227, 313.927**, and **25, 75.834, 313.667** is the 20% darker color. If you saturate the color by 10%, you get **41, 85.989, 313.914**, and if you desaturate by 10%, it is **50, 64.302, 313.344**.

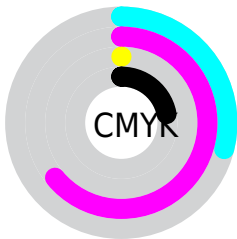
Distribution



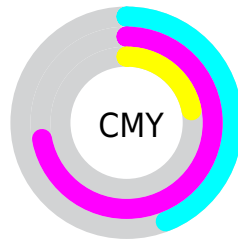
- Red (56%)
- Green (28%)
- Blue (78%)



- Red (56%)
- Yellow (28%)
- Blue (78%)



- Cyan (29%)
- Magenta (64%)
- Yellow (0%)
- Black (22%)





- Cyan (44%)
- Magenta (72%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 75.735, 313.710 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, 75.735, 313.710 by changing the saturation by 10% instead.


 45, 75.735,
313.710


 45, 75.735,
313.710


 100, 75.735,
313.710


 35, 75.735,
313.710

 65, 75.735,
313.710


 25, 75.735,
313.710

 75, 75.735,
313.710

 15, 75.735,
313.710

 85, 75.735,
313.710

 5, 75.735, 313.710

 95, 75.735,
313.710

 0, 75.735, 313.710

 45, 75.735,

 45, 75.735,

313.710

41, 85.989,
313.914

37, 94.323,
313.861

34, 100.016,
313.451

33, 102.495,
313.068

313.710

50, 64.302,
313.344

55, 52.281,
312.889

61, 40.071,
312.398

66, 27.923,
311.905

72, 15.984,
311.429

78, 4.332, 310.965

84, 6.995, 130.612

90, 17.984,
130.236

■ 96, 28.636,
129.907

Harmonies

Complementary

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



45, 75.735, 313.710



74, 69.783, 128.107

Rectangle

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



45, 75.735, 313.710



45, 75.735, 3.710



45, 75.735, 133.710



45, 75.735, 183.710

Sweetspot

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



45, 75.734, 313.710



87, 27.123, 311.687



53, 42.010, 274.392



44, 18.732, 311.827



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



45, 75.734, 313.710



50, 108.294, 313.929



53, 75.219, 329.168



39, 6.533, 311.226



26, 88.302, 313.231



2, 22.597, 307.836

Inverse Universe

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



50, 55.834, 354.873



58, 77.328, 358.611



71, 76.511, 140.004



39, 5.030, 347.274



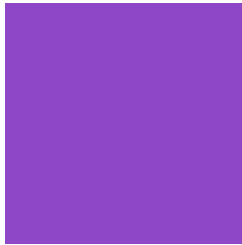
35, 60.457, 6.435



4, 17.402, 356.062

Previews

White Background



This preview shows how the CIELCh color 45, 75.735, 313.710 looks on a white background.

Color Contrast Check

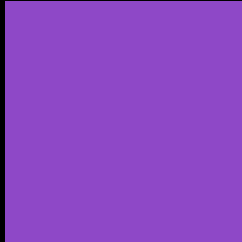
Large Text (above 18pt) WCAG AA ✓ Pass

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, 75.735, 313.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

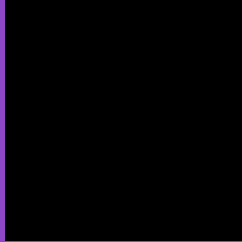
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 75.735, 313.710

Background



This preview shows how black text looks on a background with the CIELCh color 45, 75.735, 313.710.

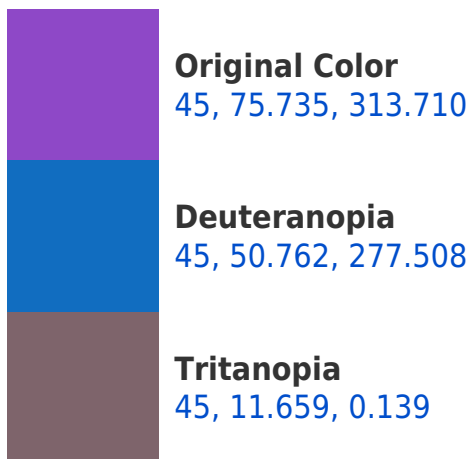


This preview shows how white text looks on a background with the CIELCh color 45, 75.735, 313.710.

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



Trichromacy



Original Color
45, 75.735, 313.710

Deuteranomaly
43, 59.254, 290.686

Tritanomaly
44, 34.101, 321.078

Monochromacy



Original Color
45, 75.735, 313.710

Achromatopsia
46, 0.006, 296.813

Achromatomaly
44, 29.113, 312.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 75.735, 313.710 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(142, 72, 199)` looks like.

```
.text, #text, p{  
    color:rgb(142, 72, 199)  
}
```

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(142, 72, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 72, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 75.735, 313.710 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(142, 72, 199) }
```

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

```
.border{ border-color:rgb(142, 72, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 72, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 72, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 72, 199);  
box-shadow:4px 4px 4px 4px rgb(142, 72,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 75.735, 313.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 72, 199) }
```

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

```
.background{ background-color: rgb(142, 72,  
199) }
```

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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