

Converting Colors

CIELCh(45, 79.664, 319.009)

Have a look what the booklet for
CIELCh(45, 79.664, 319.009)
contains.

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Color

CIELCh(45, 79.565, 318.972)

Conversions

Conversions Part 1

Format	Color
Hex	9E3DC3
RGB	158, 61, 195
RGB Percent	62%, 24%, 76%
CMY	0.3805, 0.7608, 0.2354
CMYK	0.19, 0.69, 0.00, 0.24
HSL	283°, 53%, 50%
HSV	283°, 69%, 76%
XYZ	25.6124, 14.5417, 53.0754
YIQ	105.2790, 14.7980, 62.2380

Conversions

Conversions Part 2

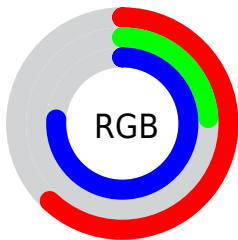
Format	Color
R_{YB}	158, 61, 195
Decimal	10370499
CIE _{Lab}	45.00, 60.02, -52.23
CIE _{LCh}	45, 79.565, 318.972
Yxy	14.5417, 0.2747, 0.1560
Android (android.graphics.Color)	4288560579 (0xFF9E3DC3)
YUV	105.2790, 44.2325, 46.2363
Hunter-Lab	38.1336, 53.1556, -55.8280

Details

The CIELCh color **45, 79.565, 318.972** 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 **71, 76.690, 132.997**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 79.320, 319.054**, and **26, 76.176, 318.478** is the 20% darker color. If you saturate the color by 10%, you get **42, 87.757, 318.954**, and if you desaturate by 10%, it is **49, 69.589, 318.804**.

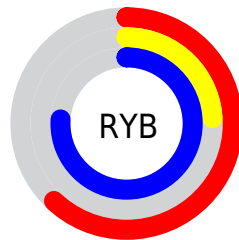
Distribution



Red (62%)

Green (24%)

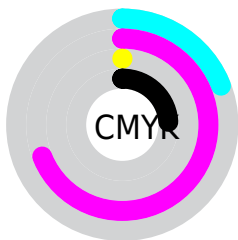
Blue (76%)



Red (62%)

Yellow (24%)

Blue (76%)

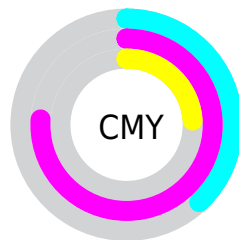


Cyan (19%)

Magenta (69%)

Yellow (0%)

Black (24%)



Cyan (38%)


Magenta (76%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 79.565, 318.972 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, 79.565, 318.972 by changing the saturation by 10% instead.


 45, 79.565,
318.972


 45, 79.565,
318.972


 100, 79.565,
318.972


 35, 79.565,
318.972

 65, 79.565,
318.972


 25, 79.565,
318.972

 75, 79.565,
318.972

 15, 79.565,
318.972

 85, 79.565,
318.972

 5, 79.565, 318.972

 95, 79.565,
318.972

 0, 79.565, 318.972

 45, 79.565,

 45, 79.565,

318.972

■ 42, 87.757,
318.954

■ 39, 93.611,
318.689

■ 37, 97.056,
318.165

■ 37, 97.446,
318.096

318.972

■ 49, 69.589,
318.804

■ 53, 58.432,
318.506

■ 58, 46.602,
318.129

■ 63, 34.480,
317.709

■ 69, 22.325,
317.272

■ 74, 10.305,
316.831

■ 79, 1.480, 136.558

■ 85, 12.975,
136.057

■ 90, 24.151,
135.686

Harmonies

Complementary

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



45, 79.565, 318.972



71, 76.690, 132.997

Rectangle

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



45, 79.565, 318.972



45, 79.565, 8.972



45, 79.565, 138.972



45, 79.565, 188.972

Sweetspot

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



45, 79.564, 318.972



85, 30.947, 317.386



44, 57.429, 289.028



44, 21.159, 317.509



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, 79.564, 318.972



53, 110.200, 318.867



49, 69.703, 336.014



38, 6.668, 316.860



30, 84.357, 318.223



3, 21.376, 314.157

Inverse Universe

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



47, 56.460, 9.317



56, 79.305, 14.927



70, 71.524, 143.991



38, 4.467, 358.460



33, 62.577, 22.568



3, 14.526, 4.684

Previews

White Background



This preview shows how the CIELCh color 45, 79.565, 318.972 looks on a white background.

Color Contrast Check

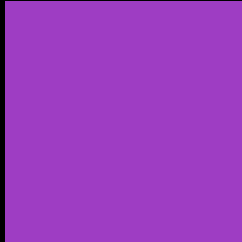
Large Text (above 18pt) WCAG AA ✓ Pass

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, 79.565, 318.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

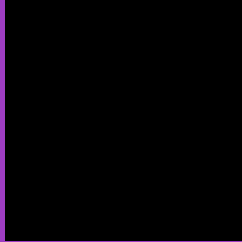
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 79.565, 318.972

Background



This preview shows how black text looks on a background with the CIELCh color 45, 79.565, 318.972.

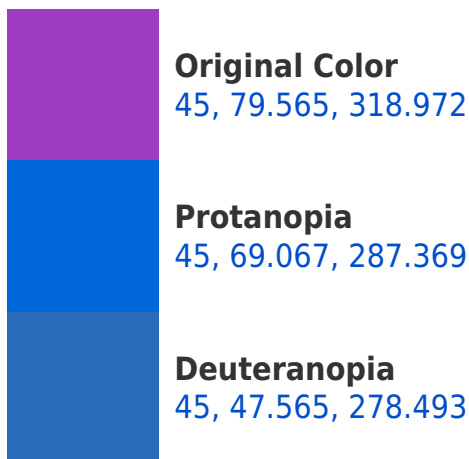


This preview shows how white text looks on a background with the CIELCh color 45, 79.565, 318.972.

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, 22.828, 12.343

Trichromacy



Original Color
45, 79.565, 318.972



Protanomaly
42, 72.956, 294.836



Deuteranomaly
43, 58.653, 296.130



Tritanomaly
44, 39.961, 334.279

Monochromacy



Original Color
45, 79.565, 318.972



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 32.157, 317.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 79.565, 318.972 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(158, 61, 195)` looks like.

```
.text, #text, p{  
    color:rgb(158, 61, 195)  
}
```

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(158, 61, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 61, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 79.565, 318.972 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(158, 61, 195) }
```

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

```
.border{ border-color:rgb(158, 61, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 61, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 61, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 61, 195);  
box-shadow:4px 4px 4px 4px rgb(158, 61,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 79.565, 318.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 61, 195) }
```

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

```
.background{ background-color: rgb(158, 61,  
195) }
```

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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