

Converting Colors

CIELCh(45, 49.518, 323.575)

Have a look what the booklet for
CIELCh(45, 49.518, 323.575)
contains.

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Color

CIELCh(45, 49.451, 323.692)

Conversions

Conversions Part 1

Format	Color
Hex	94519C
RGB	148, 81, 156
RGB Percent	58%, 32%, 61%
CMY	0.4202, 0.6829, 0.3888
CMYK	0.05, 0.48, 0.00, 0.39
HSL	294°, 32%, 46%
HSV	294°, 48%, 61%
XYZ	21.1064, 14.5417, 33.0817
YIQ	109.5830, 15.8570, 37.5290

Conversions

Conversions Part 2

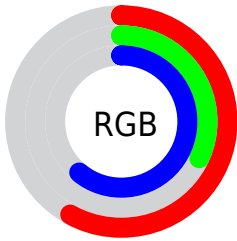
Format	Color
R_{YB}	148, 81, 156
Decimal	9720220
CIE _{Lab}	45.00, 39.85, -29.28
CIE _{LCh}	45, 49.451, 323.692
Yxy	14.5417, 0.3071, 0.2116
Android (android.graphics.Color)	4287910300 (0xFF94519C)
YUV	109.5830, 22.8836, 33.6917
Hunter-Lab	38.1336, 32.0633, -24.7418

Details

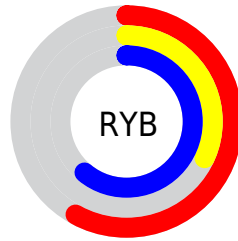
The CIELCh color $[45, 49.451, 323.692]$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $[58, 49.123, 138.377]$, and the grayscale version is $[46, 0.006, 296.813]$.

A 20% lighter version of the original color is $[65, 49.309, 323.781]$, and $[25, 49.291, 323.731]$ is the 20% darker color. If you saturate the color by 10%, you get $[42, 58.578, 324.029]$, and if you desaturate by 10%, it is $[49, 39.566, 323.288]$.

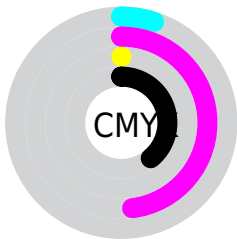
Distribution



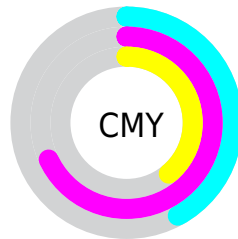
- Red (58%)
- Green (32%)
- Blue (61%)



- Red (58%)
- Yellow (32%)
- Blue (61%)



- Cyan (5%)
- Magenta (48%)
- Yellow (0%)
- Black (39%)





- Cyan (42%)
- Magenta (68%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 49.451, 323.692 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, 49.451, 323.692 by changing the saturation by 10% instead.


 45, 49.451,
323.692


 45, 49.451,
323.692


 100, 49.451,
323.692

 35, 49.451,
323.692

 65, 49.451,
323.692


 25, 49.451,
323.692

 75, 49.451,
323.692

 15, 49.451,
323.692

 85, 49.451,
323.692

 5, 49.451, 323.692

 95, 49.451,
323.692

 0, 49.451, 323.692

 45, 49.451,

 45, 49.451,

323.692

323.692

■ 42, 58.578,
324.029

■ 49, 39.566,
323.288

■ 39, 66.549,
324.270

■ 52, 29.267,
322.841

■ 37, 72.943,
324.388

■ 57, 18.809,
322.370

■ 35, 77.432,
324.359

■ 61, 8.374, 321.884

■ 34, 80.121,
324.189

■ 65, 1.918, 141.540

■ 34, 80.584,
324.155

■ 70, 11.993,
141.002

■ 74, 21.808,
140.561

■ 78, 31.343,
140.149

■ 83, 40.592,
139.764

Harmonies

Complementary

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



45, 49.451, 323.692



58, 49.123, 138.377

Rectangle

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



45, 49.451, 323.692



45, 49.451, 13.692



45, 49.451, 143.692



45, 49.451, 193.692

Sweetspot

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



45, 49.449, 323.692



74, 17.880, 322.185



40, 40.264, 292.230



38, 12.456, 322.283



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 49.449, 323.692



53, 71.876, 324.057



45, 39.138, 342.002



31, 5.908, 321.941



31, 75.585, 324.185



1, 7.629, 320.904

Inverse Universe

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



44, 33.344, 16.664



52, 50.351, 19.238



59, 38.257, 153.294



31, 3.564, 11.293



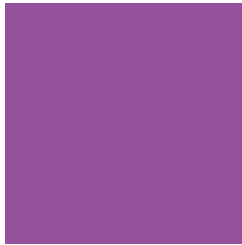
29, 63.413, 34.488



1, 4.530, 11.049

Previews

White Background



This preview shows how the CIELCh color 45, 49.451, 323.692 looks on a white background.

Color Contrast Check

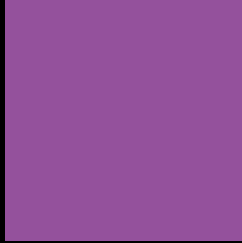
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.451, 323.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

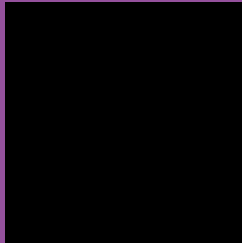
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 49.451, 323.692

Background



This preview shows how black text looks on a background with the CIELCh color 45, 49.451, 323.692.

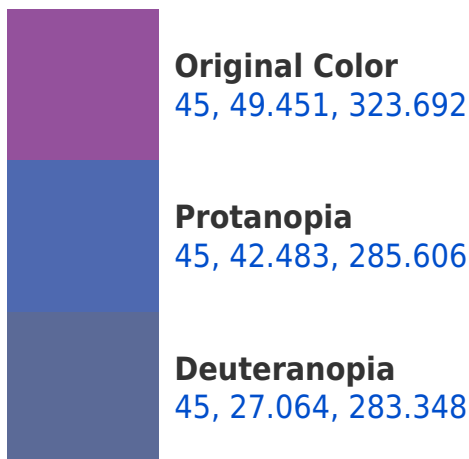


This preview shows how white text looks on a background with the CIELCh color 45, 49.451, 323.692.

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, 20.596, 10.817

Trichromacy



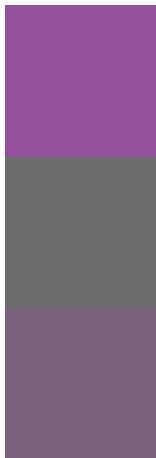
Original Color
45, 49.451, 323.692

Protanomaly
44, 43.744, 298.753

Deuteranomaly
45, 33.996, 303.277

Tritanomaly
45, 28.501, 342.132

Monochromacy



Original Color
45, 49.451, 323.692

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 18.697, 322.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 49.451, 323.692 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(148, 81, 156)` looks like.

```
.text, #text, p{  
    color:rgb(148, 81, 156)  
}
```

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(148, 81, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 81, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 49.451, 323.692 is called "border". The border property can be set on classes, ids or directly on the HTML element.

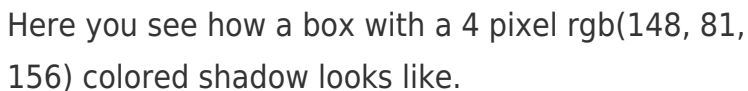
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 81, 156) }
```

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

```
.border{ border-color:rgb(148, 81, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 81, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 81, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 81, 156); box-shadow:4px 4px 4px 4px rgb(148, 81, 156) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 49.451, 323.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 81, 156) }
```

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

```
.background{ background-color: rgb(148, 81,  
156) }
```

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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