

Converting Colors

CIELCh(45, 56.478, 327.692)

Have a look what the booklet for
CIELCh(45, 56.478, 327.692)
contains.

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Color

CIELCh(45, 56.431, 327.510)

Conversions

Conversions Part 1

Format	Color
Hex	9F499E
RGB	159, 73, 158
RGB Percent	62%, 29%, 62%
CMY	0.3774, 0.7146, 0.3813
CMYK	0.00, 0.54, 0.01, 0.38
HSL	301°, 37%, 45%
HSV	301°, 54%, 62%
XYZ	22.7687, 14.5417, 33.8484
YIQ	108.4040, 23.9710, 44.6670

Conversions

Conversions Part 2

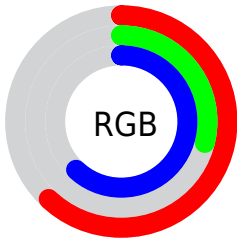
Format	Color
R_{YB}	159, 73, 158
Decimal	10439070
CIE _{Lab}	45.00, 47.60, -30.31
CIE _{LCh}	45, 56.431, 327.510
Yxy	14.5417, 0.3200, 0.2044
Android (android.graphics.Color)	4288629150 (0xFF9F499E)
YUV	108.4040, 24.4508, 44.3727
Hunter-Lab	38.1336, 39.8444, -25.9339

Details

The CIELCh color $45, 56.431, 327.510$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $59, 56.839, 140.297$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 56.254, 327.619$, and $25, 56.365, 327.610$ is the 20% darker color. If you saturate the color by 10%, you get $42, 64.724, 327.901$, and if you desaturate by 10%, it is $48, 46.969, 327.060$.

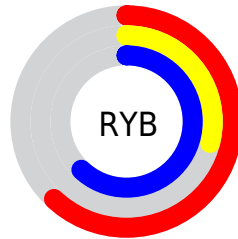
Distribution



Red (62%)

Green (29%)

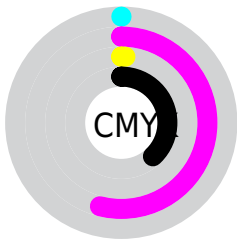
Blue (62%)



Red (62%)

Yellow (29%)

Blue (62%)

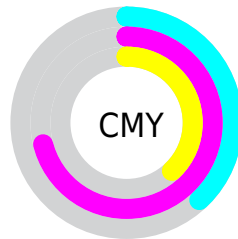


Cyan (0%)

Magenta (54%)

Yellow (1%)

Black (38%)



Cyan (38%)


Magenta (71%)


Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 56.431, 327.510 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, 56.431, 327.510 by changing the saturation by 10% instead.


 45, 56.431,
327.510


 45, 56.431,
327.510


 100, 56.431,
327.510


 35, 56.431,
327.510

 65, 56.431,
327.510


 25, 56.431,
327.510

 75, 56.431,
327.510

 15, 56.431,
327.510

 85, 56.431,
327.510

 5, 56.431, 327.510

 95, 56.431,
327.510

 0, 56.431, 327.510

 45, 56.431,

 45, 56.431,

327.510

■ 42, 64.724,
327.901

■ 40, 71.457,
328.220

■ 39, 76.319,
328.459

■ 38, 79.195,
328.617

■ 37, 80.376,
328.690

327.510

■ 48, 46.969,
327.060

■ 52, 36.739,
326.565

■ 55, 26.080,
326.040

■ 59, 15.256,
325.498

■ 64, 4.458, 324.924

■ 68, 6.184, 144.476

■ 72, 16.589,
143.936

■ 77, 26.710,
143.432

■ 81, 36.525,
142.955

Harmonies

Complementary

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



45, 56.431, 327.510



59, 56.839, 140.297

Rectangle

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



45, 56.431, 327.510



45, 56.431, 17.510



45, 56.431, 147.510



45, 56.431, 197.510

Sweetspot

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



45, 56.429, 327.510



75, 21.377, 325.615



35, 53.238, 298.115



39, 14.555, 325.720



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 56.429, 327.510



54, 80.567, 327.974



43, 41.416, 349.496



31, 6.057, 325.225



33, 74.386, 328.686



1, 7.867, 324.822

Inverse Universe

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



45, 56.429, 327.510



54, 80.567, 327.974



59, 39.201, 157.939



31, 6.057, 325.225



33, 74.386, 328.686



1, 7.867, 324.822

Previews

White Background



This preview shows how the CIELCh color 45, 56.431, 327.510 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, 56.431, 327.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

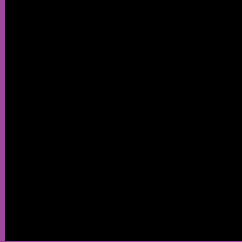
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 56.431, 327.510

Background



This preview shows how black text looks on a background with the CIELCh color 45, 56.431, 327.510.

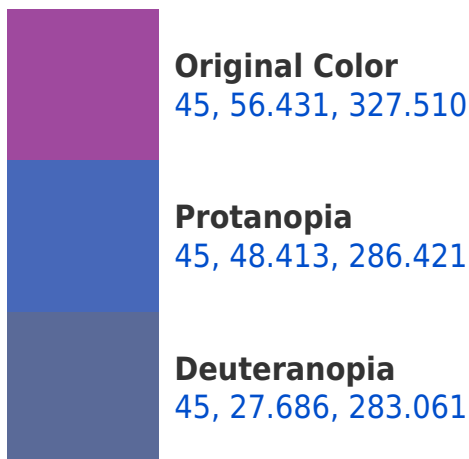


This preview shows how white text looks on a background with the CIELCh color 45, 56.431, 327.510.

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, 27.330, 16.067

Trichromacy



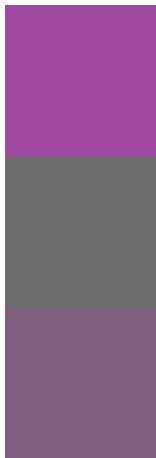
Original Color
45, 56.431, 327.510

Protanomaly
44, 49.191, 300.053

Deuteranomaly
44, 36.755, 306.126

Tritanomaly
45, 34.658, 348.733

Monochromacy



Original Color
45, 56.431, 327.510

Achromatopsia
46, 0.006, 296.813

Achromatomaly
44, 22.155, 325.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 56.431, 327.510 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(159, 73, 158)` looks like.

```
.text, #text, p{  
    color:rgb(159, 73, 158)  
}
```

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(159, 73, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 73, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 56.431, 327.510 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(159, 73, 158) }
```

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

```
.border{ border-color:rgb(159, 73, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 73, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 73, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 73, 158);  
box-shadow:4px 4px 4px 4px rgb(159, 73,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 56.431, 327.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 73, 158) }
```

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

```
.background{ background-color: rgb(159, 73,  
158) }
```

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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