

Converting Colors

CIELCh(45, 51.366, 326.984)

Have a look what the booklet for
CIELCh(45, 51.366, 326.984)
contains.

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Color

CIELCh(45, 51.729, 326.989)

Conversions

Conversions Part 1

Format	Color
Hex	9A4D9A
RGB	154, 77, 154
RGB Percent	60%, 30%, 60%
CMY	0.3956, 0.6976, 0.3956
CMYK	0.00, 0.50, 0.00, 0.40
HSL	300°, 33%, 45%
HSV	300°, 50%, 60%
XYZ	21.8529, 14.5417, 32.2769
YIQ	108.8010, 21.1750, 40.2710

Conversions

Conversions Part 2

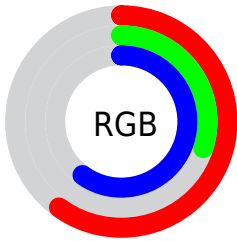
Format	Color
R_{YB}	154, 77, 154
Decimal	10112410
CIE _{Lab}	45.00, 43.38, -28.18
CIE _{LCh}	45, 51.729, 326.989
Yxy	14.5417, 0.3182, 0.2118
Android (android.graphics.Color)	4288302490 (0xFF9A4D9A)
YUV	108.8010, 22.2831, 39.6395
Hunter-Lab	38.1336, 35.5576, -23.4905

Details

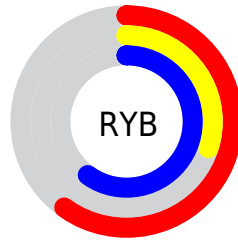
The CIELCh color $[45, 51.729, 326.989]$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $[57, 51.982, 140.482]$, and the grayscale version is $[46, 0.006, 296.813]$.

A 20% lighter version of the original color is $[65, 51.824, 326.849]$, and $[25, 51.924, 326.967]$ is the 20% darker color. If you saturate the color by 10%, you get $[42, 60.431, 327.393]$, and if you desaturate by 10%, it is $[48, 42.053, 326.529]$.

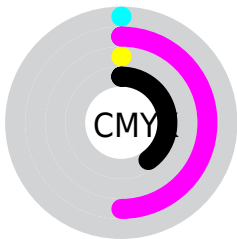
Distribution



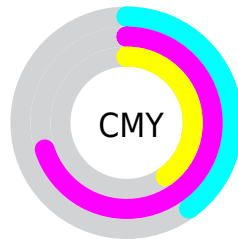
- Red (60%)
- Green (30%)
- Blue (60%)



- Red (60%)
- Yellow (30%)
- Blue (60%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (40%)





- Cyan (40%)
- Magenta (70%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 51.729, 326.989 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, 51.729, 326.989 by changing the saturation by 10% instead.


 45, 51.729,
326.989


 45, 51.729,
326.989


 100, 51.729,
326.989


 35, 51.729,
326.989

 65, 51.729,
326.989


 25, 51.729,
326.989

 75, 51.729,
326.989

 15, 51.729,
326.989

 85, 51.729,
326.989

 5, 51.729, 326.989

 95, 51.729,
326.989

 0, 51.729, 326.989

 45, 51.729,

 45, 51.729,

326.989

42, 60.431,
327.393

40, 67.773,
327.726

38, 73.404,
327.976

37, 77.120,
328.139

36, 79.339,
328.235

36, 79.346,
328.235

326.989

48, 42.053,
326.529

52, 31.776,
326.028

56, 21.195,
325.501

60, 10.540,
324.956

64, 0.030, 151.647

68, 10.408,
143.939

72, 20.531,
143.421

77, 30.364,
142.931

■ 81, 39.892,
142.467

Harmonies

Complementary

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



45, 51.729, 326.989



57, 51.982, 140.482

Rectangle

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



45, 51.729, 326.989



45, 51.729, 16.989



45, 51.729, 146.989



45, 51.729, 196.989

Sweetspot

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



45, 51.727, 326.989



74, 19.783, 325.249



36, 47.536, 297.242



38, 13.613, 325.355



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, 51.727, 326.989



55, 74.899, 327.439



43, 37.558, 348.847



30, 5.940, 324.915



33, 74.065, 328.235



1, 6.386, 324.441

Inverse Universe

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



45, 51.727, 326.989



55, 74.899, 327.439



58, 35.601, 158.540



30, 5.940, 324.915



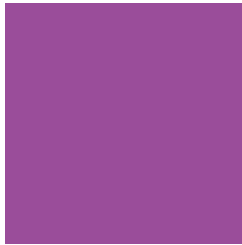
33, 74.065, 328.235



1, 6.386, 324.441

Previews

White Background



This preview shows how the CIELCh color 45, 51.729, 326.989 looks on a white background.

Color Contrast Check

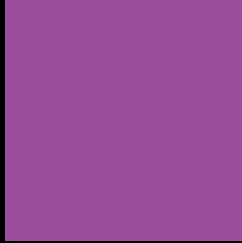
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.729, 326.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

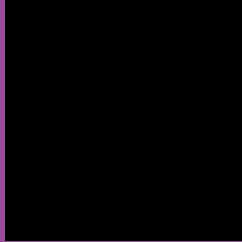
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 51.729, 326.989

Background



This preview shows how black text looks on a background with the CIELCh color 45, 51.729, 326.989.



This preview shows how white text looks on a background with the CIELCh color 45, 51.729, 326.989.

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



Original Color

45, 51.729, 326.989

Protanopia

45, 43.654, 285.793

Deuteranopia

45, 25.819, 284.008



Tritanopia
45, 24.603, 13.404

Trichromacy



Original Color
45, 51.729, 326.989

Protanomaly
44, 44.425, 299.986

Deuteranomaly
44, 34.358, 306.214

Tritanomaly
45, 31.597, 347.841

Monochromacy



Original Color
45, 51.729, 326.989

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 20.040, 325.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 51.729, 326.989 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(154, 77, 154)` looks like.

```
.text, #text, p{  
    color:rgb(154, 77, 154)  
}
```

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(154, 77, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 77, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 51.729, 326.989 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(154, 77, 154) }
```

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

```
.border{ border-color:rgb(154, 77, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 77, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 77, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 77, 154);  
box-shadow:4px 4px 4px 4px rgb(154, 77,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 51.729, 326.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 77, 154) }
```

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

```
.background{ background-color: rgb(154, 77,  
154) }
```

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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