

Converting Colors

CIELCh(45, 66.148, 324.391)

Have a look what the booklet for
CIELCh(45, 66.148, 324.391)
contains.

CIELCh(45, 66.090, 324.183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 66.090, 324.183)

Conversions

Conversions Part 1

Format	Color
Hex	A143AC
RGB	161, 67, 172
RGB Percent	63%, 26%, 67%
CMY	0.3691, 0.7377, 0.3259
CMYK	0.06, 0.61, 0.00, 0.33
HSL	294°, 44%, 47%
HSV	294°, 61%, 67%
XYZ	24.1126, 14.5417, 40.5119
YIQ	107.0760, 22.3190, 52.5830

Conversions

Conversions Part 2

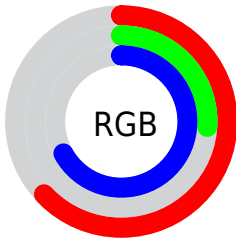
Format	Color
R_{YB}	161, 67, 172
Decimal	10568620
CIE _{Lab}	45.00, 53.59, -38.68
CIE _{LCh}	45, 66.090, 324.183
Yxy	14.5417, 0.3046, 0.1837
Android (android.graphics.Color)	4288758700 (0xFFA143AC)
YUV	107.0760, 32.0075, 47.2913
Hunter-Lab	38.1336, 46.1350, -36.2943

Details

The CIELCh color **45, 66.090, 324.183** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **63, 65.910, 137.290**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 65.885, 324.098**, and **25, 66.038, 324.136** is the 20% darker color. If you saturate the color by 10%, you get **42, 74.170, 324.388**, and if you desaturate by 10%, it is **48, 56.579, 323.872**.

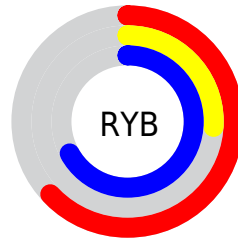
Distribution



Red (63%)

Green (26%)

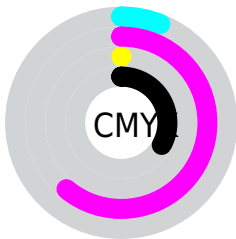
Blue (67%)



Red (63%)

Yellow (26%)

Blue (67%)

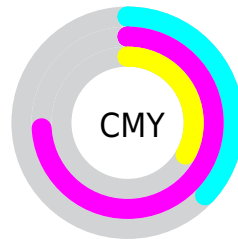


Cyan (6%)

Magenta (61%)

Yellow (0%)

Black (33%)



Cyan (37%)


Magenta (74%)

Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 66.090, 324.183 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, 66.090, 324.183 by changing the saturation by 10% instead.


 45, 66.090,
324.183


 45, 66.090,
324.183


 100, 66.090,
324.183


 35, 66.090,
324.183

 65, 66.090,
324.183


 25, 66.090,
324.183

 75, 66.090,
324.183

 15, 66.090,
324.183

 85, 66.090,
324.183

 5, 66.090, 324.183

 95, 66.090,
324.183

 0, 66.090, 324.183

 45, 66.090,

 45, 66.090,

324.183

42, 74.170,
324.388

40, 80.385,
324.459

38, 84.443,
324.375

38, 86.606,
324.195

324.183

48, 56.579,
323.872

52, 46.102,
323.484

56, 35.055,
323.044

61, 23.753,
322.575

65, 12.421,
322.089

70, 1.209, 321.458

75, 9.786, 141.189

79, 20.508,
140.734

■ 84, 30.928,
140.310

Harmonies

Complementary

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



45, 66.090, 324.183



63, 65.910, 137.290

Rectangle

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



45, 66.090, 324.183



45, 66.090, 14.183



45, 66.090, 144.183



45, 66.090, 194.183

Sweetspot

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



45, 66.088, 324.183



79, 25.164, 322.442



37, 56.788, 295.298



40, 17.483, 322.578



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 66.088, 324.183



54, 93.221, 324.427



45, 52.109, 343.617



34, 6.383, 322.001



33, 78.510, 324.237



2, 13.223, 320.309

Inverse Universe

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



43, 46.730, 20.050



52, 69.545, 24.417



63, 51.341, 151.412



34, 3.848, 11.456



31, 66.122, 34.823



2, 7.875, 12.330

Previews

White Background



This preview shows how the CIELCh color 45, 66.090, 324.183 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, 66.090, 324.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

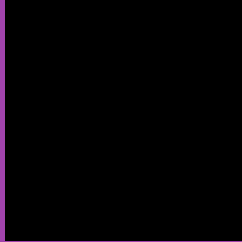
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 66.090, 324.183

Background



This preview shows how black text looks on a background with the CIELCh color 45, 66.090, 324.183.



This preview shows how white text looks on a background with the CIELCh color 45, 66.090, 324.183.

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, 66.090, 324.183

Protanopia

46, 61.328, 287.166

Deuteranopia

45, 35.098, 280.769



Tritanopia
45, 27.330, 16.067

Trichromacy



Original Color
45, 66.090, 324.183

Protanomaly
43, 61.456, 297.392

Deuteranomaly
44, 45.888, 302.395

Tritanomaly
45, 37.552, 344.602

Monochromacy



Original Color
45, 66.090, 324.183

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 26.914, 323.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 66.090, 324.183 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(161, 67, 172)` looks like.

```
.text, #text, p{  
    color:rgb(161, 67, 172)  
}
```

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(161, 67, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 67, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 66.090, 324.183 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(161, 67, 172) }
```

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

```
.border{ border-color:rgb(161, 67, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 67, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 67, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 67, 172); box-shadow:4px 4px 4px 4px rgb(161, 67, 172) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 66.090, 324.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 67, 172) }
```

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

```
.background{ background-color: rgb(161, 67,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor