

Converting Colors

CIELCh(44, 79.894, 322.542)

Have a look what the booklet for
CIELCh(44, 79.894, 322.542)
contains.

CIELCh(44, 79.943, 322.543)	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(44, 79.943, 322.543)

Conversions

Conversions Part 1

Format	Color
Hex	A433BA
RGB	164, 51, 186
RGB Percent	64%, 20%, 73%
CMY	0.3563, 0.7994, 0.2701
CMYK	0.12, 0.73, 0.00, 0.27
HSL	290°, 57%, 47%
HSV	290°, 73%, 73%
XYZ	25.4051, 13.8382, 47.8601
YIQ	100.1770, 24.0130, 65.9410

Conversions

Conversions Part 2

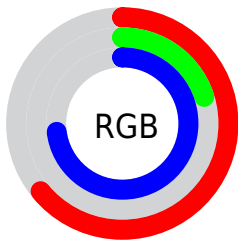
Format	Color
RYB	164, 51, 186
Decimal	10761146
CIELab	44.00, 63.46, -48.62
CIELCh	44, 79.943, 322.543
Yxy	13.8382, 0.2917, 0.1589
Android (android.graphics.Color)	4288951226 (0xFFA433BA)
YUV	100.1770, 42.3107, 55.9728
Hunter-Lab	37.1997, 56.8047, -50.2410

Details

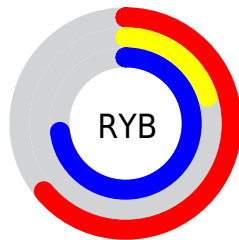
The CIELCh color **44, 79.943, 322.543** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **67, 79.308, 135.337**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 80.049, 322.487**, and **26, 71.998, 321.526** is the 20% darker color. If you saturate the color by 10%, you get **42, 86.446, 322.515**, and if you desaturate by 10%, it is **47, 71.405, 322.405**.

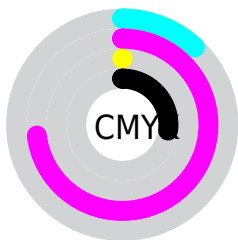
Distribution



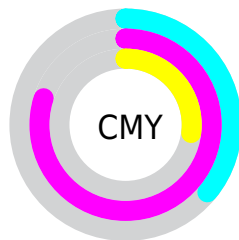
- Red (64%)
- Green (20%)
- Blue (73%)



- Red (64%)
- Yellow (20%)
- Blue (73%)



- Cyan (12%)
- Magenta (73%)
- Yellow (0%)
- Black (27%)



- Cyan (36%)
- Magenta (80%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 79.943, 322.543 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 44, 79.943, 322.543 by changing the saturation by 10% instead.


 44, 79.943,
322.543


 44, 79.943,
322.543


 100, 79.943,
322.543

 34, 79.943,
322.543

 64, 79.943,
322.543

 24, 79.943,
322.543

 74, 79.943,
322.543

 14, 79.943,
322.543

 84, 79.943,
322.543

 4, 79.943, 322.543

 94, 79.943,
322.543

 0, 79.943, 322.543

 44, 79.943,

 44, 79.943,

322.543

42, 86.446,
322.515

40, 90.588,
322.290

39, 92.489,
322.022

322.543

47, 71.405,
322.405

51, 61.339,
322.139

55, 50.254,
321.783

60, 38.587,
321.368

64, 26.670,
320.921

69, 14.738,
320.459

74, 2.945, 319.951

79, 8.613, 139.606

■ 85, 19.883,
139.175

Harmonies

Complementary

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



44, 79.943, 322.543



67, 79.308, 135.337

Rectangle

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



44, 79.943, 322.543



44, 79.943, 12.543



44, 79.943, 142.543



44, 79.943, 192.543

Sweetspot

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



44, 79.941, 322.543



82, 32.273, 320.914



36, 68.926, 296.244



42, 21.883, 321.038



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



44, 79.941, 322.543



53, 108.689, 322.407



45, 64.535, 342.407



36, 6.579, 320.309



32, 80.976, 322.103



2, 17.470, 317.842

Inverse Universe

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



43, 58.116, 19.519



52, 83.763, 26.453



67, 65.751, 147.460



36, 4.090, 6.886



32, 65.360, 31.345



2, 10.821, 9.598

Previews

White Background



This preview shows how the CIELCh color 44, 79.943, 322.543 looks on a white background.

Color Contrast Check

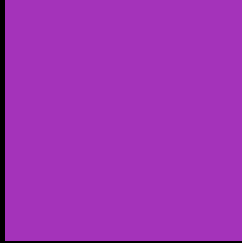
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 79.943, 322.543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

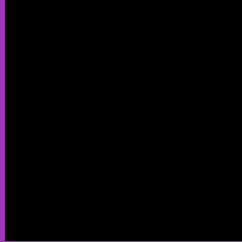
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 79.943, 322.543

Background



This preview shows how black text looks on a background with the CIELCh color 44, 79.943, 322.543.

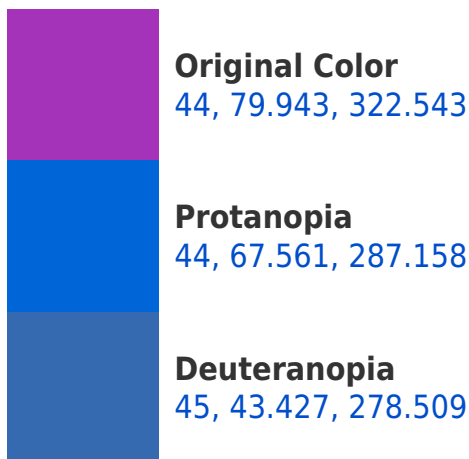


This preview shows how white text looks on a background with the CIELCh color 44, 79.943, 322.543.

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
44, 29.733, 17.156

Trichromacy



Original Color
44, 79.943, 322.543



Protanomaly
40, 72.763, 296.134



Deuteranomaly
42, 56.659, 299.647



Tritanomaly
43, 43.483, 341.426

Monochromacy



Original Color
44, 79.943, 322.543



Achromatopsia
42, 0.006, 296.813



Achromatomaly
41, 33.290, 321.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 79.943, 322.543 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(164, 51, 186)` looks like.

```
.text, #text, p{  
    color:rgb(164, 51, 186)  
}
```

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(164, 51, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 51, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 79.943, 322.543 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(164, 51, 186) }
```

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

```
.border{ border-color:rgb(164, 51, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 51, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 51, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 51, 186);  
box-shadow:4px 4px 4px 4px rgb(164, 51,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 79.943, 322.543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 51, 186) }
```

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

```
.background{ background-color: rgb(164, 51,  
186) }
```

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