

Converting Colors

CIELCh(44, 93.760, 320.730)

Have a look what the booklet for
CIELCh(44, 93.760, 320.730)
contains.

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Color

CIELCh(44, 94.011, 320.748)

Conversions

Conversions Part 1

Format	Color
Hex	A822CD
RGB	168, 34, 205
RGB Percent	66%, 13%, 80%
CMY	0.3418, 0.8675, 0.1967
CMYK	0.18, 0.84, 0.00, 0.20
HSL	287°, 72%, 47%
HSV	287°, 84%, 80%
XYZ	27.6799, 13.8382, 58.8694
YIQ	93.5600, 24.9730, 81.5890

Conversions

Conversions Part 2

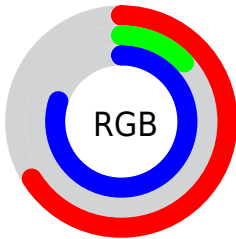
Format	Color
R_{YB}	168, 34, 205
Decimal	11018957
CIE _{Lab}	44.00, 72.80, -59.48
CIE _{LCh}	44, 94.011, 320.748
Yxy	13.8382, 0.2757, 0.1378
Android (android.graphics.Color)	4289209037 (0xFFA822CD)
YUV	93.5600, 54.9399, 65.2839
Hunter-Lab	37.1997, 67.7203, -67.7880

Details

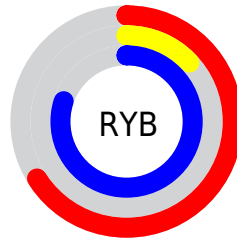
The CIELCh color **44, 94.011, 320.748** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **73, 92.558, 134.039**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 90.633, 321.928**, and **28, 80.065, 318.579** is the 20% darker color. If you saturate the color by 10%, you get **42, 98.369, 320.405**, and if you desaturate by 10%, it is **47, 87.028, 320.854**.

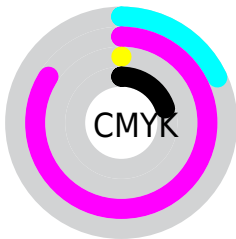
Distribution



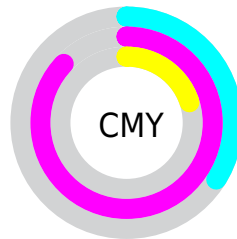
- Red (66%)
- Green (13%)
- Blue (80%)



- Red (66%)
- Yellow (13%)
- Blue (80%)



- Cyan (18%)
- Magenta (84%)
- Yellow (0%)
- Black (20%)



- Cyan (34%)
- Magenta (87%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 94.011, 320.748 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, 94.011, 320.748 by changing the saturation by 10% instead.


 44, 94.011,
320.748

 44, 94.011,
320.748

 100, 94.011,
320.748

 34, 94.011,
320.748

 64, 94.011,
320.748

 24, 94.011,
320.748

 74, 94.011,
320.748

 14, 94.011,
320.748

 84, 94.011,
320.748

 4, 94.011, 320.748

 94, 94.011,
320.748

 0, 94.011, 320.748

 44, 94.011,

 44, 94.011,

320.748

320.748

■ 42, 98.369,
320.405

■ 47, 87.028,
320.854

■ 41, 100.115,
320.085

■ 50, 77.814,
320.764

■ 55, 66.947,
320.526

■ 59, 55.009,
320.186

■ 64, 42.478,
319.784

■ 69, 29.713,
319.348

■ 75, 16.958,
318.899

■ 80, 4.371, 318.426

Harmonies

Complementary

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



44, 94.011, 320.748



73, 92.558, 134.039

Rectangle

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



44, 94.011, 320.748



44, 94.011, 10.748



44, 94.011, 140.748



44, 94.011, 190.748

Sweetspot

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



44, 94.010, 320.748



84, 37.774, 319.428



36, 81.552, 297.375



42, 25.805, 319.584



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 94.010, 320.748



51, 118.135, 319.989



48, 76.739, 341.128



40, 7.070, 318.712



33, 85.492, 320.197



4, 26.792, 318.685

Inverse Universe

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



45, 69.305, 20.137



54, 92.885, 29.395



73, 81.890, 143.586



40, 4.544, 2.833



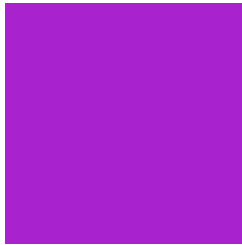
34, 66.345, 27.708



4, 18.261, 8.880

Previews

White Background



This preview shows how the CIELCh color 44, 94.011, 320.748 looks on a white background.

Color Contrast Check

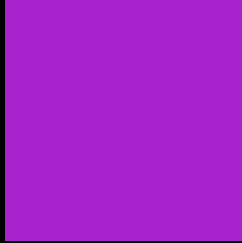
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.011, 320.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

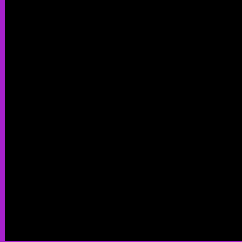
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 94.011, 320.748

Background



This preview shows how black text looks on a background with the CIELCh color 44, 94.011, 320.748.



This preview shows how white text looks on a background with the CIELCh color 44, 94.011, 320.748.

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

44, 94.011, 320.748

Protanopia

44, 67.561, 287.158

Deuteranopia

44, 49.945, 276.462



Tritanopia
44, 29.733, 17.156

Trichromacy



Original Color
44, 94.011, 320.748



Protanomaly
40, 80.478, 298.503



Deuteranomaly
39, 69.051, 296.250



Tritanomaly
43, 49.878, 338.043

Monochromacy



Original Color
44, 94.011, 320.748



Achromatopsia
39, 0.006, 296.813



Achromatomaly
38, 41.948, 320.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 94.011, 320.748 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(168, 34, 205)` looks like.

```
.text, #text, p{  
    color:rgb(168, 34, 205)  
}
```

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(168, 34, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 34, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 94.011, 320.748 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(168, 34, 205) }
```

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

```
.border{ border-color:rgb(168, 34, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 34, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 34, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 34, 205);  
box-shadow:4px 4px 4px 4px rgb(168, 34,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 94.011, 320.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 34, 205) }
```

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

```
.background{ background-color: rgb(168, 34,  
205) }
```

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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