

Converting Colors

CIELCh(44, 83.763, 317.115)

Have a look what the booklet for
CIELCh(44, 83.763, 317.115)
contains.

CIELCh(44, 83.788, 317.179)	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, 83.788, 317.179)

Conversions

Conversions Part 1

Format	Color
Hex	9839C8
RGB	152, 57, 200
RGB Percent	60%, 22%, 78%
CMY	0.4028, 0.7754, 0.2146
CMYK	0.24, 0.71, 0.00, 0.21
HSL	280°, 57%, 50%
HSV	280°, 71%, 79%
XYZ	24.9341, 13.8382, 56.1671
YIQ	101.7070, 10.7170, 64.6130

Conversions

Conversions Part 2

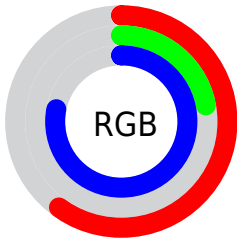
Format	Color
R_{YB}	152, 57, 200
Decimal	9976264
CIE _{Lab}	44.00, 61.46, -56.95
CIE _{LCh}	44, 83.788, 317.179
Yxy	13.8382, 0.2626, 0.1458
Android (android.graphics.Color)	4288166344 (0xFF9839C8)
YUV	101.7070, 48.4584, 44.1070
Hunter-Lab	37.1997, 54.5449, -63.4809

Details

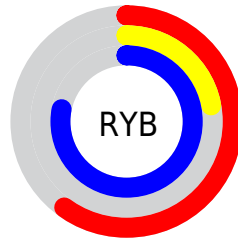
The CIELCh color **44, 83.788, 317.179** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **73, 79.359, 131.391**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 82.593, 317.567**, and **25, 79.105, 316.388** is the 20% darker color. If you saturate the color by 10%, you get **41, 91.923, 317.102**, and if you desaturate by 10%, it is **48, 73.735, 317.037**.

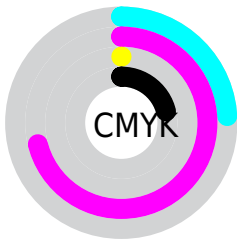
Distribution



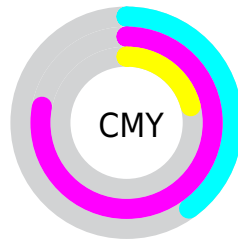
- Red (60%)
- Green (22%)
- Blue (78%)



- Red (60%)
- Yellow (22%)
- Blue (78%)



- Cyan (24%)
- Magenta (71%)
- Yellow (0%)
- Black (21%)



- Cyan (40%)
- Magenta (78%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 83.788, 317.179 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, 83.788, 317.179 by changing the saturation by 10% instead.


 44, 83.788,
317.179


 44, 83.788,
317.179


 100, 83.788,
317.179


 34, 83.788,
317.179

 64, 83.788,
317.179


 24, 83.788,
317.179

 74, 83.788,
317.179

 14, 83.788,
317.179


 84, 83.788,
317.179

 4, 83.788, 317.179

 94, 83.788,
317.179

 0, 83.788, 317.179

 44, 83.788,

 44, 83.788,

317.179

41, 91.923,
317.102

38, 97.543,
316.734

36, 100.543,
316.207

317.179

48, 73.735,
317.037

53, 62.427,
316.746

58, 50.415,
316.366

63, 38.108,
315.939

69, 25.777,
315.496

74, 13.594,
315.056

80, 1.657, 314.550

86, 9.977, 134.280

■ 91, 21.286,
133.912

Harmonies

Complementary

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



44, 83.788, 317.179



73, 79.359, 131.391

Rectangle

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



44, 83.788, 317.179



44, 83.788, 7.179



44, 83.788, 137.179



44, 83.788, 187.179

Sweetspot

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



44, 83.787, 317.179



86, 30.773, 315.492



47, 55.346, 285.481



44, 20.879, 315.616



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, 83.787, 317.179



50, 114.594, 316.927



50, 76.283, 333.303



39, 6.709, 314.967



29, 86.285, 316.357



3, 23.273, 312.420

Inverse Universe

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



47, 59.593, 5.482



56, 81.281, 11.665



71, 78.845, 141.582



39, 4.703, 354.357



34, 61.697, 17.251



4, 16.679, 2.405

Previews

White Background



This preview shows how the CIELCh color 44, 83.788, 317.179 looks on a white background.

Color Contrast Check

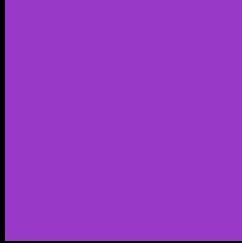
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.788, 317.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

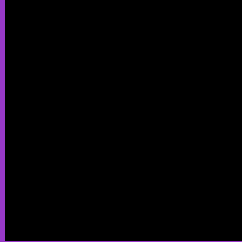
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 83.788, 317.179

Background



This preview shows how black text looks on a background with the CIELCh color 44, 83.788, 317.179.



This preview shows how white text looks on a background with the CIELCh color 44, 83.788, 317.179.

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, 83.788, 317.179

Protanopia

44, 67.011, 286.946

Deuteranopia

44, 50.493, 277.118



Tritanopia
44, 19.380, 9.883

Trichromacy



Original Color
44, 83.788, 317.179

Protanomaly
41, 73.805, 295.345

Deuteranomaly
41, 62.825, 292.283

Tritanomaly
43, 40.743, 329.622

Monochromacy



Original Color
44, 83.788, 317.179

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 33.770, 315.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 83.788, 317.179 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(152, 57, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 57, 200)  
}
```

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(152, 57, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 57, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 83.788, 317.179 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(152, 57, 200) }
```

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

```
.border{ border-color:rgb(152, 57, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 57, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 57, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 57, 200); box-shadow:4px 4px 4px 4px rgb(152, 57, 200) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 83.788, 317.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 57, 200) }
```

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

```
.background{ background-color: rgb(152, 57,  
200) }
```

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