

Converting Colors

CIELCh(44, 41.778, 317.267)

Have a look what the booklet for
CIELCh(44, 41.778, 317.267)
contains.

CIELCh(44, 41.827, 317.277)	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, 41.827, 317.277)

Conversions

Conversions Part 1

Format	Color
Hex	835697
RGB	131, 86, 151
RGB Percent	51%, 34%, 59%
CMY	0.4844, 0.6610, 0.4060
CMYK	0.13, 0.43, 0.00, 0.41
HSL	282°, 27%, 47%
HSV	282°, 43%, 59%
XYZ	18.4201, 13.8382, 31.1798
YIQ	106.8650, 5.9550, 29.7550

Conversions

Conversions Part 2

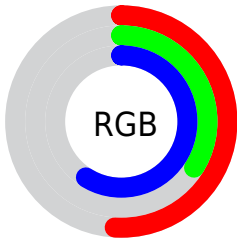
Format	Color
R_{YB}	131, 86, 151
Decimal	8607383
CIE Lab	44.00, 30.73, -28.38
CIE LCh	44, 41.827, 317.277
Yxy	13.8382, 0.2904, 0.2181
Android (android.graphics.Color)	4286797463 (0xFF835697)
YUV	106.8650, 21.7586, 21.1664
Hunter-Lab	37.1997, 23.2879, -23.6554

Details

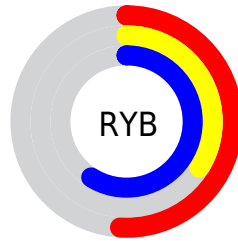
The CIELCh color $44, 41.827, 317.277$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $58, 40.509, 133.413$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 41.890, 317.027$, and $24, 41.768, 317.170$ is the 20% darker color. If you saturate the color by 10%, you get $40, 51.344, 317.635$, and if you desaturate by 10%, it is $48, 32.024, 316.870$.

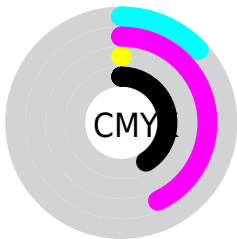
Distribution



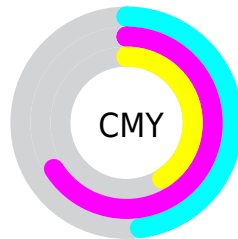
- Red (51%)
- Green (34%)
- Blue (59%)



- Red (51%)
- Yellow (34%)
- Blue (59%)



- Cyan (13%)
- Magenta (43%)
- Yellow (0%)
- Black (41%)



- Cyan (48%)
- Magenta (66%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 41.827, 317.277 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, 41.827, 317.277 by changing the saturation by 10% instead.


 44, 41.827,
317.277


 44, 41.827,
317.277


 100, 41.827,
317.277


 34, 41.827,
317.277

 64, 41.827,
317.277


 24, 41.827,
317.277

 74, 41.827,
317.277

 14, 41.827,
317.277

 84, 41.827,
317.277

 4, 41.827, 317.277

 94, 41.827,
317.277

 0, 41.827, 317.277

 44, 41.827,

 44, 41.827,

317.277

40, 51.344,
317.635

36, 60.254,
317.902

33, 68.129,
318.027

31, 74.477,
317.948

29, 78.867,
317.603

27, 81.227,
317.274

317.277

48, 32.024,
316.870

52, 22.162,
316.442

57, 12.386,
316.011

61, 2.783, 315.560

66, 6.594, 135.245

70, 15.723,
134.870

75, 24.592,
134.534

79, 33.203,
134.229

■ 84, 41.561,
133.954

Harmonies

Complementary

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



44, 41.827, 317.277



58, 40.509, 133.413

Rectangle

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



44, 41.827, 317.277



44, 41.827, 7.277



44, 41.827, 137.277



44, 41.827, 187.277

Sweetspot

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



44, 41.826, 317.277



72, 15.386, 316.025



45, 26.998, 279.525



37, 10.874, 316.114



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



44, 41.826, 317.277



52, 62.313, 317.638



46, 39.223, 332.646



30, 5.436, 315.852



25, 76.760, 317.338



1, 5.804, 315.122

Inverse Universe

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



45, 29.445, 0.594



53, 44.076, 2.495



57, 39.179, 146.471



30, 3.727, 356.227



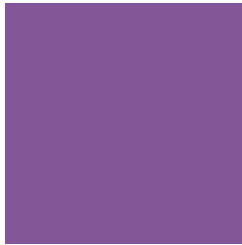
29, 55.630, 19.031



1, 3.947, 355.789

Previews

White Background



This preview shows how the CIELCh color 44, 41.827, 317.277 looks on a white background.

Color Contrast Check

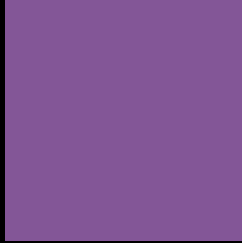
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 41.827, 317.277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

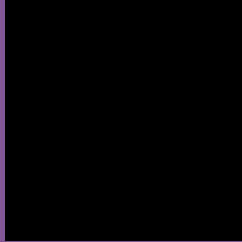
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 41.827, 317.277

Background



This preview shows how black text looks on a background with the CIELCh color 44, 41.827, 317.277.



This preview shows how white text looks on a background with the CIELCh color 44, 41.827, 317.277.

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, 41.827, 317.277

Protanopia

44, 37.879, 285.916

Deuteranopia

44, 27.190, 283.499



Tritanopia
44, 12.122, 0.987

Trichromacy



Original Color
44, 41.827, 317.277

Protanomaly
44, 38.454, 296.793

Deuteranomaly
44, 31.384, 298.783

Tritanomaly
44, 21.503, 331.316

Monochromacy



Original Color
44, 41.827, 317.277

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 15.190, 316.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 41.827, 317.277 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(131, 86, 151)` looks like.

```
.text, #text, p{  
    color:rgb(131, 86, 151)  
}
```

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(131, 86, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 86, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 41.827, 317.277 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(131, 86, 151) }
```

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

```
.border{ border-color:rgb(131, 86, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 86, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 86, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 86, 151);  
box-shadow:4px 4px 4px 4px rgb(131, 86,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 41.827, 317.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 86, 151) }
```

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

```
.background{ background-color: rgb(131, 86,  
151) }
```

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