

Converting Colors

CIELCh(44, 47.290, 349.780)

Have a look what the booklet for
CIELCh(44, 47.290, 349.780)
contains.

CIELCh(44, 47.290, 349.780)	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, 47.290, 349.780)

Conversions

Conversions Part 1

Format	Color
Hex	A84477
RGB	168, 68, 119
RGB Percent	66%, 27%, 47%
CMY	0.3404, 0.7326, 0.5327
CMYK	0.00, 0.59, 0.29, 0.34
HSL	329°, 42%, 46%
HSV	329°, 59%, 66%
XYZ	21.6079, 13.8382, 19.0392
YIQ	103.7140, 43.2290, 37.0610

Conversions

Conversions Part 2

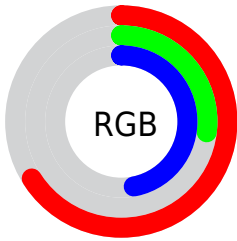
Format	Color
R_{YB}	168, 68, 119
Decimal	11027575
CIE _{Lab}	44.00, 46.54, -8.39
CIE _{LCh}	44, 47.290, 349.780
Yxy	13.8382, 0.3966, 0.2540
Android (android.graphics.Color)	4289217655 (0xFFA84477)
YUV	103.7140, 7.5360, 56.3788
Hunter-Lab	37.1997, 38.5843, -4.3054

Details

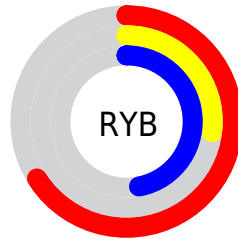
The CIELCh color $44, 47.290, 349.780$ is a dark color, and the websafe version is hex 993366 . A complement of this color would be $62, 44.939, 156.614$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 47.239, 349.996$, and $24, 47.433, 349.766$ is the 20% darker color. If you saturate the color by 10%, you get $41, 53.337, 351.671$, and if you desaturate by 10%, it is $47, 40.143, 348.225$.

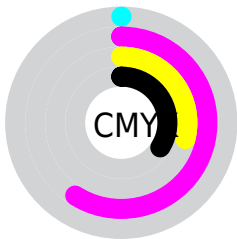
Distribution



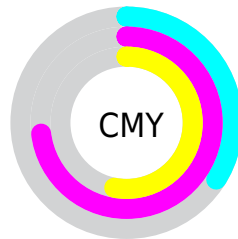
- Red (66%)
- Green (27%)
- Blue (47%)



- Red (66%)
- Yellow (27%)
- Blue (47%)



- Cyan (0%)
- Magenta (59%)
- Yellow (29%)
- Black (34%)





- Cyan (34%)
- Magenta (73%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 47.290, 349.780 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, 47.290, 349.780 by changing the saturation by 10% instead.


 44, 47.290,
349.780


 44, 47.290,
349.780


 100, 47.290,
349.780


 34, 47.290,
349.780

 64, 47.290,
349.780


 24, 47.290,
349.780

 74, 47.290,
349.780

 14, 47.290,
349.780

 84, 47.290,
349.780

 4, 47.290, 349.780

 94, 47.290,
349.780

 0, 47.290, 349.780

 44, 47.290,

 44, 47.290,

349.780

349.780

41, 53.337,
351.671

47, 40.143,
348.225

39, 57.897,
354.019

51, 32.309,
346.912

37, 60.715,
356.977

56, 24.123,
345.775

36, 62.125, 0.554

60, 15.837,
344.768

36, 62.201, 0.750

65, 7.620, 343.849

69, 0.423, 163.923

74, 8.234, 162.388

79, 15.787,
161.687

84, 23.076,

Harmonies

Complementary

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



44, 47.290, 349.780



62, 44.939, 156.614

Rectangle

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



44, 47.290, 349.780



44, 47.290, 39.780



44, 47.290, 169.780



44, 47.290, 219.780

Sweetspot

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



44, 47.287, 349.781



77, 18.160, 344.660



39, 61.680, 311.533



39, 12.630, 344.929



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



44, 47.287, 349.781



53, 66.780, 352.284



43, 45.950, 25.961



33, 4.560, 343.834



31, 56.655, 0.271



2, 7.844, 347.079

Inverse Universe

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



44, 47.287, 349.781



53, 66.780, 352.284



63, 30.113, 195.103



33, 4.560, 343.834



31, 56.655, 0.271



2, 7.844, 347.079

Previews

White Background



This preview shows how the CIELCh color 44, 47.290, 349.780 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, 47.290, 349.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

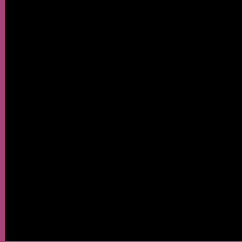
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 47.290, 349.780

Background



This preview shows how black text looks on a background with the CIELCh color 44, 47.290, 349.780.



This preview shows how white text looks on a background with the CIELCh color 44, 47.290, 349.780.

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, 47.290, 349.780

Protanopia

44, 24.070, 285.366

Deuteranopia

44, 8.086, 317.705



Tritanopia
44, 39.532, 21.567

Trichromacy



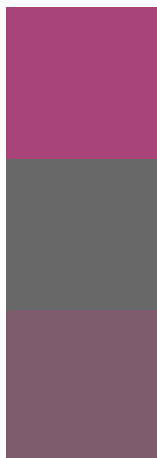
Original Color
44, 47.290, 349.780

Protanomaly
43, 28.816, 316.513

Deuteranomaly
43, 22.920, 340.222

Tritanomaly
44, 40.539, 8.273

Monochromacy



Original Color
44, 47.290, 349.780

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 18.641, 344.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 47.290, 349.780 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, 68, 119)` looks like.

```
.text, #text, p{  
    color:rgb(168, 68, 119)  
}
```

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, 68, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 68, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 47.290, 349.780 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, 68, 119) }
```

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

```
.border{ border-color:rgb(168, 68, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 68, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 68, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 68, 119);  
box-shadow:4px 4px 4px 4px rgb(168, 68,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 47.290, 349.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 68, 119) }
```

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

```
.background{ background-color: rgb(168, 68,  
119) }
```

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