

Converting Colors

CIELCh(44, 48.797, 349.379)

Have a look what the booklet for
CIELCh(44, 48.797, 349.379)
contains.

CIELCh(44, 48.557, 349.680)	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, 48.557, 349.680)

Conversions

Conversions Part 1

Format	Color
Hex	AA4378
RGB	170, 67, 120
RGB Percent	67%, 26%, 47%
CMY	0.3346, 0.7384, 0.5305
CMYK	0.00, 0.61, 0.29, 0.33
HSL	329°, 44%, 46%
HSV	329°, 61%, 67%
XYZ	21.8706, 13.8382, 19.1970
YIQ	103.8390, 44.3750, 38.3190

Conversions

Conversions Part 2

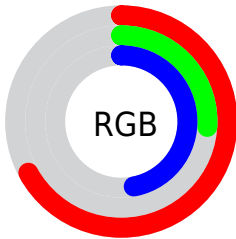
Format	Color
R_{YB}	170, 67, 120
Decimal	11158392
CIE _{Lab}	44.00, 47.77, -8.70
CIE _{LCh}	44, 48.557, 349.680
Yxy	13.8382, 0.3983, 0.2520
Android (android.graphics.Color)	4289348472 (0xFFAA4378)
YUV	103.8390, 7.9674, 58.0232
Hunter-Lab	37.1997, 39.8450, -4.5569

Details

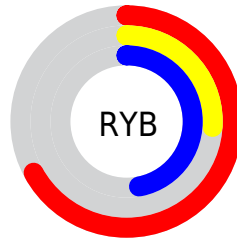
The CIELCh color **44, 48.557, 349.680** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **63, 46.258, 156.168**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 48.588, 349.806**, and **24, 48.492, 349.284** is the 20% darker color. If you saturate the color by 10%, you get **41, 54.478, 351.599**, and if you desaturate by 10%, it is **47, 41.467, 348.105**.

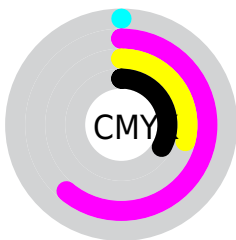
Distribution



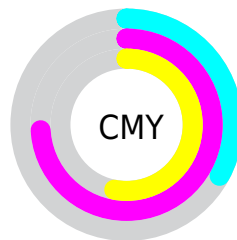
- Red (67%)
- Green (26%)
- Blue (47%)



- Red (67%)
- Yellow (26%)
- Blue (47%)



- Cyan (0%)
- Magenta (61%)
- Yellow (29%)
- Black (33%)



- Cyan (33%)
- Magenta (74%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 48.557, 349.680 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, 48.557, 349.680 by changing the saturation by 10% instead.

 44, 48.557,
349.680

 44, 48.557,
349.680

 100, 48.557,
349.680

 34, 48.557,
349.680

 64, 48.557,
349.680

 24, 48.557,
349.680

 74, 48.557,
349.680

 14, 48.557,
349.680

 84, 48.557,
349.680

 4, 48.557, 349.680

 94, 48.557,
349.680

 0, 48.557, 349.680

 44, 48.557,

 44, 48.557,

349.680

349.680

41, 54.478,
351.599

47, 41.467,
348.105

39, 58.848,
353.986

51, 33.629,
346.777

37, 61.439,
356.993

55, 25.394,
345.630

36, 62.667, 0.317

60, 17.028,
344.615

64, 8.712, 343.694

69, 0.559, 342.284

74, 7.367, 162.221

79, 15.036,
161.510

84, 22.440,

Harmonies

Complementary

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



44, 48.557, 349.680



63, 46.258, 156.168

Rectangle

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



44, 48.557, 349.680



44, 48.557, 39.680



44, 48.557, 169.680



44, 48.557, 219.680

Sweetspot

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



44, 48.554, 349.681



78, 18.390, 344.391



39, 63.379, 311.592



40, 12.912, 344.662



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



44, 48.554, 349.681



53, 68.725, 352.407



43, 47.350, 26.293



33, 4.575, 343.568



31, 56.717, 359.815



2, 7.867, 346.824

Inverse Universe

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



44, 48.554, 349.681



53, 68.725, 352.407



64, 30.717, 195.056



33, 4.575, 343.568



31, 56.717, 359.815



2, 7.867, 346.824

Previews

White Background



This preview shows how the CIELCh color 44, 48.557, 349.680 looks on a white background.

Color Contrast Check

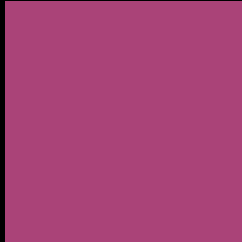
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.557, 349.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

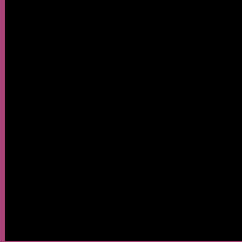
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 48.557, 349.680

Background



This preview shows how black text looks on a background with the CIELCh color 44, 48.557, 349.680.



This preview shows how white text looks on a background with the CIELCh color 44, 48.557, 349.680.

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, 48.557, 349.680

Protanopia
44, 25.278, 285.239

Deuteranopia
44, 7.913, 315.070



Tritanopia
44, 40.473, 21.870

Trichromacy



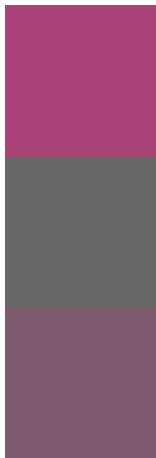
Original Color
44, 48.557, 349.680

Protanomaly
43, 29.890, 315.612

Deuteranomaly
43, 23.601, 339.860

Tritanomaly
44, 41.359, 8.877

Monochromacy



Original Color
44, 48.557, 349.680

Achromatopsia
44, 0.006, 296.813

Achromatomaly
43, 19.640, 344.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 48.557, 349.680 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(170, 67, 120)` looks like.

```
.text, #text, p{  
    color:rgb(170, 67, 120)  
}
```

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(170, 67, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 67, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 48.557, 349.680 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(170, 67, 120) }
```

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

```
.border{ border-color:rgb(170, 67, 120) }
```

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

Here you see how a box with a 4 pixel rgb(170, 67, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 67, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 67, 120);  
box-shadow:4px 4px 4px 4px rgb(170, 67,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 48.557, 349.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 67, 120) }
```

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

```
.background{ background-color: rgb(170, 67,  
120) }
```

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