

Converting Colors

CIELCh(44, 28.978, 333.949)

Have a look what the booklet for
CIELCh(44, 28.978, 333.949)
contains.

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Color

CIELCh(44, 29.480, 333.707)

Conversions

Conversions Part 1

Format	Color
Hex	89587E
RGB	137, 88, 126
RGB Percent	54%, 35%, 49%
CMY	0.4622, 0.6544, 0.5054
CMYK	0.00, 0.36, 0.08, 0.46
HSL	313°, 22%, 44%
HSV	313°, 36%, 54%
XYZ	17.6114, 13.8382, 21.5240
YIQ	106.9830, 17.0060, 22.2060

Conversions

Conversions Part 2

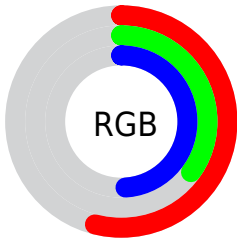
Format	Color
R_{YB}	137, 88, 126
Decimal	9001086
CIE Lab	44.00, 26.43, -13.06
CIE LCh	44, 29.480, 333.707
Yxy	13.8382, 0.3325, 0.2612
Android (android.graphics.Color)	4287191166 (0xFF89587E)
YUV	106.9830, 9.3754, 26.3249
Hunter-Lab	37.1997, 19.4075, -8.2658

Details

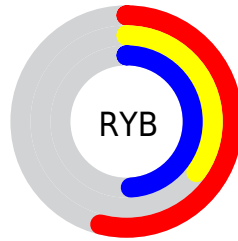
The CIELCh color $44, 29.480, 333.707$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 29.321, 148.635$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 29.384, 333.411$, and $24, 29.382, 333.715$ is the 20% darker color. If you saturate the color by 10%, you get $41, 37.334, 334.421$, and if you desaturate by 10%, it is $47, 21.291, 333.022$.

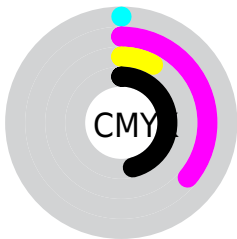
Distribution



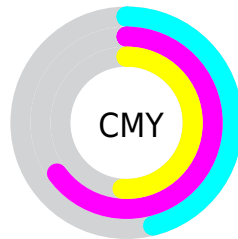
- Red (54%)
- Green (35%)
- Blue (49%)



- Red (54%)
- Yellow (35%)
- Blue (49%)



- Cyan (0%)
- Magenta (36%)
- Yellow (8%)
- Black (46%)



- Cyan (46%)
- Magenta (65%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 29.480, 333.707 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, 29.480, 333.707 by changing the saturation by 10% instead.


 44, 29.480,
333.707


 44, 29.480,
333.707


 100, 29.480,
333.707

 34, 29.480,
333.707

 64, 29.480,
333.707


 24, 29.480,
333.707

 74, 29.480,
333.707

 14, 29.480,
333.707

 84, 29.480,
333.707

 4, 29.480, 333.707

 94, 29.480,
333.707

 0, 29.480, 333.707

 44, 29.480,

 44, 29.480,

333.707

333.707

41, 37.334,
334.421

47, 21.291,
333.022

38, 44.576,
335.169

51, 12.983,
332.360

35, 50.866,
335.964

55, 4.704, 331.700

33, 55.846,
336.825

59, 3.450, 151.220

32, 59.220,
337.784

63, 11.422,
150.599

31, 60.941,
338.873

67, 19.178,
150.046

30, 61.525,
339.347

71, 26.707,
149.526

75, 34.006,
149.035

■ 79, 41.082,
148.572

Harmonies

Complementary

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



44, 29.480, 333.707



53, 29.321, 148.635

Rectangle

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



44, 29.480, 333.707



44, 29.480, 23.707



44, 29.480, 153.707



44, 29.480, 203.707

Sweetspot

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



44, 29.478, 333.707



68, 11.227, 332.067



40, 30.184, 301.501



34, 7.519, 332.141



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



44, 29.478, 333.707



54, 43.641, 334.291



43, 22.284, 1.136



27, 4.653, 331.931



29, 60.075, 339.303



0, 2.146, 331.398

Inverse Universe

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



44, 29.478, 333.707



54, 43.641, 334.291



53, 19.969, 173.664



27, 4.653, 331.931



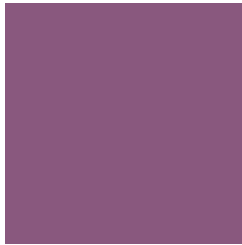
29, 60.075, 339.303



0, 2.146, 331.398

Previews

White Background



This preview shows how the CIELCh color 44, 29.480, 333.707 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, 29.480, 333.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

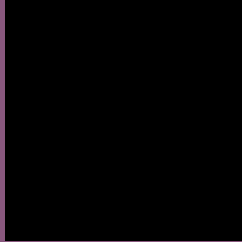
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 29.480, 333.707

Background



This preview shows how black text looks on a background with the CIELCh color 44, 29.480, 333.707.



This preview shows how white text looks on a background with the CIELCh color 44, 29.480, 333.707.

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, 29.480, 333.707

Protanopia

44, 20.473, 285.121

Deuteranopia

44, 13.270, 296.976



Tritanopia
44, 18.063, 8.741

Trichromacy



Original Color
44, 29.480, 333.707

Protanomaly
44, 21.577, 304.949

Deuteranomaly
44, 18.578, 317.095

Tritanomaly
44, 21.345, 350.687

Monochromacy



Original Color
44, 29.480, 333.707

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 11.141, 332.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 29.480, 333.707 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(137, 88, 126)` looks like.

```
.text, #text, p{  
    color:rgb(137, 88, 126)  
}
```

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(137, 88, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 88, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 29.480, 333.707 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(137, 88, 126) }
```

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

```
.border{ border-color:rgb(137, 88, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 88, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 88, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 88, 126);  
box-shadow:4px 4px 4px 4px rgb(137, 88,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 29.480, 333.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 88, 126) }
```

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

```
.background{ background-color: rgb(137, 88,  
126) }
```

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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