

Converting Colors

CIELCh(44, 30.173, 308.276)

Have a look what the booklet for
CIELCh(44, 30.173, 308.276)
contains.

CIELCh(44, 29.868, 308.609)	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, 29.868, 308.609)

Conversions

Conversions Part 1

Format	Color
Hex	745F8F
RGB	116, 95, 143
RGB Percent	45%, 37%, 56%
CMY	0.5457, 0.6280, 0.4398
CMYK	0.19, 0.34, 0.00, 0.44
HSL	266°, 20%, 47%
HSV	266°, 34%, 56%
XYZ	16.2062, 13.8382, 27.7397
YIQ	106.7510, -2.8920, 19.3800

Conversions

Conversions Part 2

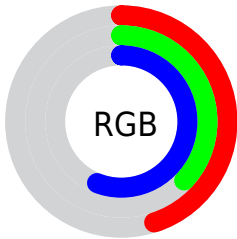
Format	Color
R _Y B	116, 95, 143
Decimal	7626639
CIE Lab	44.00, 18.64, -23.34
CIE LCh	44, 29.868, 308.609
Yxy	13.8382, 0.2805, 0.2395
Android (android.graphics.Color)	4285816719 (0xFF745F8F)
YUV	106.7510, 17.8708, 8.1114
Hunter-Lab	37.1997, 12.6649, -18.1726

Details

The CIELCh color `44, 29.868, 308.609` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `57, 28.332, 125.262`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `64, 29.700, 308.655`, and `24, 29.241, 308.679` is the 20% darker color. If you saturate the color by 10%, you get `40, 39.186, 309.215`, and if you desaturate by 10%, it is `49, 20.699, 308.031`.

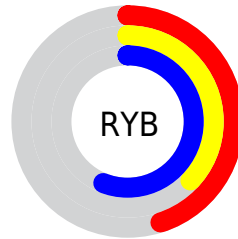
Distribution



Red (45%)

Green (37%)

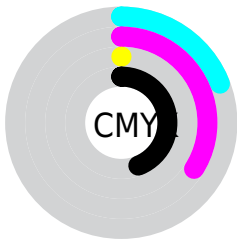
Blue (56%)



Red (45%)

Yellow (37%)

Blue (56%)

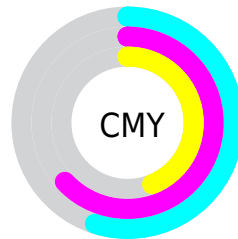


Cyan (19%)

Magenta (34%)

Yellow (0%)

Black (44%)



Cyan (55%)

Magenta (63%)

Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 29.868, 308.609 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, 29.868, 308.609 by changing the saturation by 10% instead.

 44, 29.868,
308.609

 44, 29.868,
308.609

 100, 29.868,
308.609

 34, 29.868,
308.609

 64, 29.868,
308.609

 24, 29.868,
308.609

 74, 29.868,
308.609

 14, 29.868,
308.609

 84, 29.868,
308.609

 4, 29.868, 308.609

 94, 29.868,
308.609

 0, 29.868, 308.609

 44, 29.868,

 44, 29.868,

308.609

40, 39.186,
309.215

35, 48.523,
309.821

31, 57.635,
310.381

27, 66.131,
310.821

24, 73.442,
311.038

22, 78.903,
310.908

20, 81.939,
310.797

308.609

49, 20.699,
308.031

53, 11.755,
307.494

58, 3.066, 306.991

62, 5.357, 126.596

67, 13.515,
126.203

71, 21.415,
125.863

76, 29.070,
125.567

80, 36.491,
125.309

■ 85, 43.691,
125.087

Harmonies

Complementary

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



44, 29.868, 308.609



57, 28.332, 125.262

Rectangle

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



44, 29.868, 308.609



44, 29.868, 358.609



44, 29.868, 128.609



44, 29.868, 178.609

Sweetspot

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



44, 29.867, 308.609



70, 10.679, 307.322



50, 15.124, 252.792



36, 7.357, 307.386



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



44, 29.867, 308.609



53, 44.506, 309.047



47, 32.862, 324.265



28, 4.849, 307.271



19, 78.663, 310.854



0, 3.234, 306.852

Inverse Universe

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



46, 24.884, 343.282



56, 36.682, 344.046



55, 32.739, 140.537



28, 4.123, 341.082



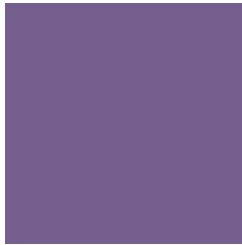
29, 53.938, 355.209



1, 2.759, 340.425

Previews

White Background



This preview shows how the CIELCh color 44, 29.868, 308.609 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, 29.868, 308.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

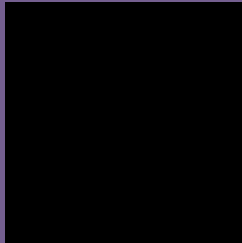
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 29.868, 308.609

Background



This preview shows how black text looks on a background with the CIELCh color 44, 29.868, 308.609.



This preview shows how white text looks on a background with the CIELCh color 44, 29.868, 308.609.

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, 29.868, 308.609

Protanopia

44, 27.728, 284.471

Deuteranopia

44, 22.898, 284.715



Tritanopia
44, 5.825, 324.789

Trichromacy



Original Color
44, 29.868, 308.609

Protanomaly
44, 28.179, 293.366

Deuteranomaly
44, 25.217, 294.456

Tritanomaly
44, 14.778, 312.099

Monochromacy



Original Color
44, 29.868, 308.609

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.578, 306.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 29.868, 308.609 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(116, 95, 143)` looks like.

```
.text, #text, p{  
    color:rgb(116, 95, 143)  
}
```

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(116, 95, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 95, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 29.868, 308.609 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(116, 95, 143) }
```

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

```
.border{ border-color:rgb(116, 95, 143) }
```

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

Here you see how a box with a 4 pixel rgb(116, 95, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 95, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 95, 143);  
box-shadow:4px 4px 4px 4px rgb(116, 95,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 29.868, 308.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 95, 143) }
```

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

```
.background{ background-color: rgb(116, 95,  
143) }
```

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