

Converting Colors

CIELCh(44, 30.492, 310.668)

Have a look what the booklet for
CIELCh(44, 30.492, 310.668)
contains.

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Color

CIELCh(44, 30.733, 310.370)

Conversions

Conversions Part 1

Format	Color
Hex	765E8F
RGB	118, 94, 143
RGB Percent	46%, 37%, 56%
CMY	0.5373, 0.6314, 0.4392
CMYK	0.17, 0.34, 0.00, 0.44
HSL	269°, 21%, 46%
HSV	269°, 34%, 56%
XYZ	16.4297, 13.8382, 27.7892
YIQ	106.7620, -1.4250, 20.3270

Conversions

Conversions Part 2

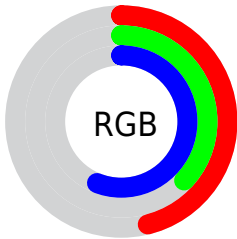
Format	Color
R _Y B	118, 94, 143
Decimal	7757455
CIE Lab	44.00, 19.91, -23.41
CIE LCh	44, 30.733, 310.370
Yxy	13.8382, 0.2830, 0.2384
Android (android.graphics.Color)	4285947535 (0xFF765E8F)
YUV	106.7620, 17.8653, 9.8557
Hunter-Lab	37.1997, 13.7373, -18.2514

Details

The CIELCh color $44, 30.733, 310.370$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 29.287, 127.148$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 30.540, 310.329$, and $24, 30.850, 311.008$ is the 20% darker color. If you saturate the color by 10%, you get $40, 40.058, 310.911$, and if you desaturate by 10%, it is $48, 21.509, 309.842$.

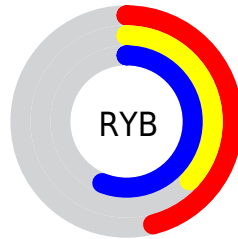
Distribution



Red (46%)

Green (37%)

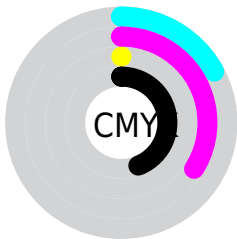
Blue (56%)



Red (46%)

Yellow (37%)

Blue (56%)

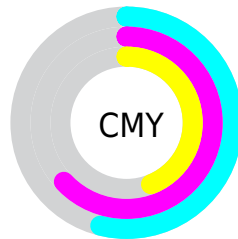


Cyan (17%)

Magenta (34%)

Yellow (0%)

Black (44%)



Cyan (54%)


Magenta (63%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 30.733, 310.370 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, 30.733, 310.370 by changing the saturation by 10% instead.


 44, 30.733,
310.370


 44, 30.733,
310.370


 100, 30.733,
310.370


 34, 30.733,
310.370

 64, 30.733,
310.370


 24, 30.733,
310.370

 74, 30.733,
310.370

 14, 30.733,
310.370

 84, 30.733,
310.370

 4, 30.733, 310.370

 94, 30.733,
310.370

 0, 30.733, 310.370

 44, 30.733,

 44, 30.733,

310.370

40, 40.058,
310.911

35, 49.331,
311.434

31, 58.286,
311.893

28, 66.514,
312.215

25, 73.459,
312.303

22, 78.532,
312.054

21, 81.111,
311.899

310.370

48, 21.509,
309.842

53, 12.478,
309.342

57, 3.682, 308.869

62, 4.858, 128.498

67, 13.139,
128.116

71, 21.166,
127.785

75, 28.946,
127.495

80, 36.493,
127.242

■ 84, 43.817,
127.021

Harmonies

Complementary

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



44, 30.733, 310.370



56, 29.287, 127.148

Rectangle

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



44, 30.733, 310.370



44, 30.733, 0.370



44, 30.733, 130.370



44, 30.733, 180.370

Sweetspot

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



44, 30.732, 310.370



70, 10.786, 309.149



49, 16.140, 258.920



36, 7.430, 309.209



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, 30.732, 310.370



53, 45.927, 310.781



47, 33.958, 325.754



28, 4.898, 309.101



20, 77.810, 311.958



0, 3.269, 308.708

Inverse Universe

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



46, 24.602, 346.228



56, 36.437, 347.116



55, 33.946, 141.669



28, 3.978, 343.792



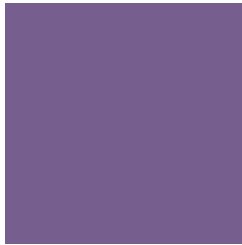
28, 53.108, 359.869



1, 2.658, 343.101

Previews

White Background



This preview shows how the CIELCh color 44, 30.733, 310.370 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, 30.733, 310.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

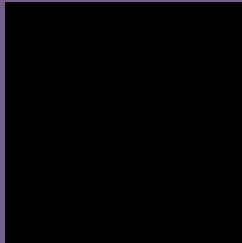
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 30.733, 310.370

Background



This preview shows how black text looks on a background with the CIELCh color 44, 30.733, 310.370.



This preview shows how white text looks on a background with the CIELCh color 44, 30.733, 310.370.

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, 30.733, 310.370

Protanopia

44, 28.309, 284.786

Deuteranopia

44, 22.898, 284.715



Tritanopia
44, 6.607, 333.792

Trichromacy



Original Color
44, 30.733, 310.370

Protanomaly
44, 28.180, 294.047

Deuteranomaly
44, 25.227, 295.244

Tritanomaly
44, 15.239, 316.358

Monochromacy



Original Color
44, 30.733, 310.370

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 11.394, 309.716

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 30.733, 310.370 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(118, 94, 143)` looks like.

```
.text, #text, p{  
    color:rgb(118, 94, 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(118, 94, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 94, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 30.733, 310.370 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(118, 94, 143) }
```

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

```
.border{ border-color:rgb(118, 94, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 94, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 94, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 94, 143);  
box-shadow:4px 4px 4px 4px rgb(118, 94,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 30.733, 310.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 94, 143) }
```

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

```
.background{ background-color: rgb(118, 94,  
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](#).

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