

Converting Colors

CIELCh(44, 42.905, 305.155)

Have a look what the booklet for
CIELCh(44, 42.905, 305.155)
contains.

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Color

CIELCh(44, 43.198, 305.242)

Conversions

Conversions Part 1

Format	Color
Hex	725CA3
RGB	114, 92, 163
RGB Percent	45%, 36%, 64%
CMY	0.5535, 0.6397, 0.3614
CMYK	0.30, 0.44, 0.00, 0.36
HSL	259°, 28%, 50%
HSV	259°, 44%, 64%
XYZ	17.3342, 13.8382, 36.3389
YIQ	106.6720, -9.6790, 26.7450

Conversions

Conversions Part 2

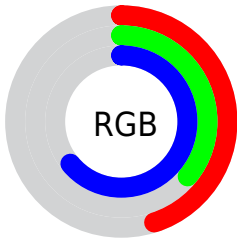
Format	Color
R_{YB}	114, 92, 163
Decimal	7494819
CIE _{Lab}	44.00, 24.93, -35.28
CIE _{LCh}	44, 43.198, 305.242
Yxy	13.8382, 0.2568, 0.2050
Android (android.graphics.Color)	4285684899 (0xFF725CA3)
YUV	106.6720, 27.7697, 6.4267
Hunter-Lab	37.1997, 18.0774, -31.8782

Details

The CIELCh color $44, 43.198, 305.242$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $64, 39.477, 119.750$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 42.777, 305.304$, and $24, 43.010, 305.057$ is the 20% darker color. If you saturate the color by 10%, you get $39, 53.757, 306.122$, and if you desaturate by 10%, it is $49, 32.789, 304.410$.

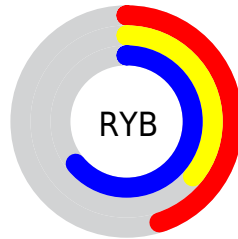
Distribution



Red (45%)

Green (36%)

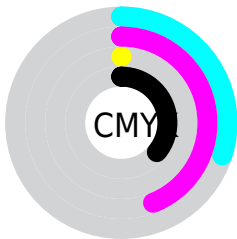
Blue (64%)



Red (45%)

Yellow (36%)

Blue (64%)

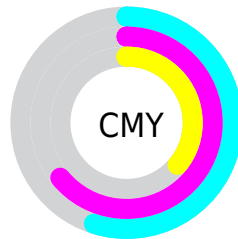


Cyan (30%)

Magenta (44%)

Yellow (0%)

Black (36%)



Cyan (55%)

Magenta (64%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 43.198, 305.242 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, 43.198, 305.242 by changing the saturation by 10% instead.


 44, 43.198,
305.242


 44, 43.198,
305.242


 100, 43.198,
305.242

 34, 43.198,
305.242

 64, 43.198,
305.242

 24, 43.198,
305.242

 74, 43.198,
305.242

 14, 43.198,
305.242

 84, 43.198,
305.242

 4, 43.198, 305.242

 94, 43.198,
305.242

 0, 43.198, 305.242

 44, 43.198,

 44, 43.198,

305.242

■ 39, 53.757,
306.122

■ 34, 64.226,
307.000

■ 30, 74.159,
307.788

■ 26, 82.825,
308.351

■ 23, 89.277,
308.520

■ 21, 92.585,
308.544

305.242

■ 49, 32.789,
304.410

■ 54, 22.649,
303.648

■ 60, 12.826,
302.965


■ 65, 3.334, 302.353

■ 70, 5.832, 121.847

■ 76, 14.684,
121.383

■ 81, 23.238,
120.984

■ 86, 31.511,
120.640

 91, 39.520,
120.344

Harmonies

Complementary

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



44, 43.198, 305.242



64, 39.477, 119.750

Rectangle

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



44, 43.198, 305.242



44, 43.198, 355.242



44, 43.198, 125.242



44, 43.198, 175.242

Sweetspot

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



44, 43.197, 305.242



76, 15.181, 302.943



56, 19.765, 236.588



39, 10.746, 303.081



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



44, 43.197, 305.242



51, 64.529, 306.067



48, 45.866, 320.666



32, 5.310, 302.694



18, 85.082, 308.634



1, 8.113, 301.069

Inverse Universe

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



49, 38.762, 337.976



59, 56.299, 338.845



62, 45.054, 136.388



32, 5.043, 335.275



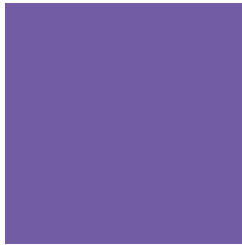
32, 60.569, 345.179



1, 7.476, 337.124

Previews

White Background



This preview shows how the CIELCh color 44, 43.198, 305.242 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, 43.198, 305.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

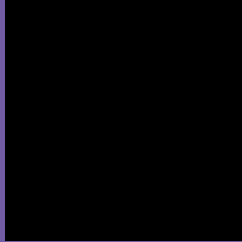
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 43.198, 305.242

Background



This preview shows how black text looks on a background with the CIELCh color 44, 43.198, 305.242.

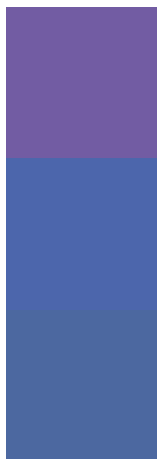


This preview shows how white text looks on a background with the CIELCh color 44, 43.198, 305.242.

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, 43.198, 305.242

Protanopia

44, 42.066, 285.912

Deuteranopia

44, 34.069, 280.675



Tritanopia
44, 4.824, 295.635

Trichromacy



Original Color
44, 43.198, 305.242

Protanomaly
44, 42.479, 292.693

Deuteranomaly
44, 36.535, 290.296

Tritanomaly
44, 18.997, 302.956

Monochromacy



Original Color
44, 43.198, 305.242

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 15.939, 303.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 43.198, 305.242 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(114, 92, 163)` looks like.

```
.text, #text, p{  
    color:rgb(114, 92, 163)  
}
```

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(114, 92, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 92, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 43.198, 305.242 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(114, 92, 163) }
```

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

```
.border{ border-color:rgb(114, 92, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 92, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 92, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 92, 163);  
box-shadow:4px 4px 4px 4px rgb(114, 92,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 43.198, 305.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 92, 163) }
```

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

```
.background{ background-color: rgb(114, 92,  
163) }
```

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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