

Converting Colors

CIELCh(44, 38.836, 306.352)

Have a look what the booklet for
CIELCh(44, 38.836, 306.352)
contains.

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Color

CIELCh(44, 38.576, 306.212)

Conversions

Conversions Part 1

Format	Color
Hex	735D9C
RGB	115, 93, 156
RGB Percent	45%, 36%, 61%
CMY	0.5495, 0.6358, 0.3888
CMYK	0.26, 0.40, 0.00, 0.39
HSL	261°, 25%, 49%
HSV	261°, 40%, 61%
XYZ	16.9453, 13.8382, 33.1697
YIQ	106.7600, -7.1110, 24.2570

Conversions

Conversions Part 2

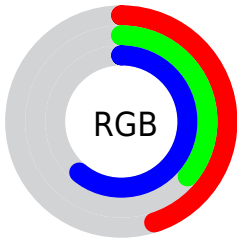
Format	Color
R_{YB}	115, 93, 156
Decimal	7560604
CIE _{Lab}	44.00, 22.79, -31.12
CIE _{LCh}	44, 38.576, 306.212
Yxy	13.8382, 0.2650, 0.2164
Android (android.graphics.Color)	4285750684 (0xFF735D9C)
YUV	106.7600, 24.2753, 7.2265
Hunter-Lab	37.1997, 16.2111, -26.8270

Details

The CIELCh color $44, 38.576, 306.212$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $61, 35.711, 121.510$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 38.386, 305.923$, and $24, 38.032, 306.194$ is the 20% darker color. If you saturate the color by 10%, you get $39, 48.697, 306.990$, and if you desaturate by 10%, it is $49, 28.610, 305.475$.

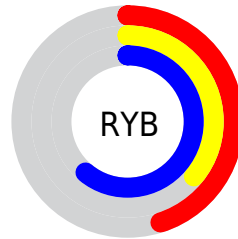
Distribution



Red (45%)

Green (36%)

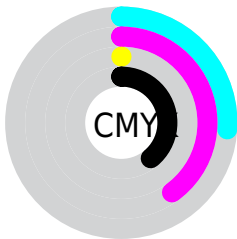
Blue (61%)



Red (45%)

Yellow (36%)

Blue (61%)

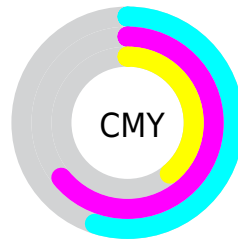


Cyan (26%)

Magenta (40%)

Yellow (0%)

Black (39%)



Cyan (55%)

Magenta (64%)

Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 38.576, 306.212 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, 38.576, 306.212 by changing the saturation by 10% instead.


 44, 38.576,
306.212

 44, 38.576,
306.212


 100, 38.576,
306.212


 34, 38.576,
306.212

 64, 38.576,
306.212

 24, 38.576,
306.212

 74, 38.576,
306.212

 14, 38.576,
306.212

 84, 38.576,
306.212

 4, 38.576, 306.212

 94, 38.576,
306.212

 0, 38.576, 306.212

 44, 38.576,

 44, 38.576,

306.212

39, 48.697,
306.990

34, 58.780,
307.769

30, 68.464,
308.478

26, 77.159,
309.007

23, 84.049,
309.206

21, 88.967,
309.153

306.212

49, 28.610,
305.475

54, 18.899,
304.799

59, 9.484, 304.189

64, 0.376, 303.510

69, 8.427, 123.190

74, 16.937,
122.773

79, 25.168,
122.413

84, 33.135,
122.102

89, 40.853,

Harmonies

Complementary

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



44, 38.576, 306.212



61, 35.711, 121.510

Rectangle

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



44, 38.576, 306.212



44, 38.576, 356.212



44, 38.576, 126.212



44, 38.576, 176.212

Sweetspot

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



44, 38.575, 306.212



74, 13.512, 304.295



54, 18.071, 240.775



38, 9.051, 304.365



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



44, 38.575, 306.212



52, 57.058, 306.872



47, 41.369, 321.563



31, 5.201, 304.123



19, 83.373, 309.230



1, 6.691, 302.965

Inverse Universe

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



48, 33.909, 339.519



57, 49.102, 340.346



59, 40.826, 137.490



31, 4.776, 336.954



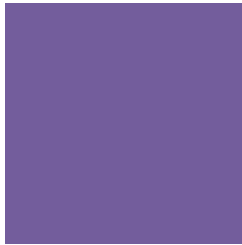
31, 58.443, 348.102



1, 6.051, 337.831

Previews

White Background



This preview shows how the CIELCh color 44, 38.576, 306.212 looks on a white background.

Color Contrast Check

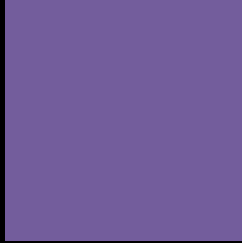
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.576, 306.212 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, 38.576, 306.212

Background



This preview shows how black text looks on a background with the CIELCh color 44, 38.576, 306.212.



This preview shows how white text looks on a background with the CIELCh color 44, 38.576, 306.212.

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, 38.576, 306.212

Protanopia

44, 37.302, 285.653

Deuteranopia

44, 30.880, 282.698



Tritanopia
44, 4.965, 304.930

Trichromacy



Original Color
44, 38.576, 306.212

Protanomaly
44, 37.120, 292.330

Deuteranomaly
44, 33.568, 292.571

Tritanomaly
44, 17.317, 305.157

Monochromacy



Original Color
44, 38.576, 306.212

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 14.164, 304.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 38.576, 306.212 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(115, 93, 156)` looks like.

```
.text, #text, p{  
    color:rgb(115, 93, 156)  
}
```

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(115, 93, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 93, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 38.576, 306.212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

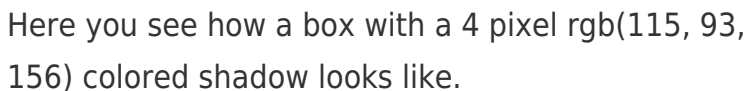
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 93, 156) }
```

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

```
.border{ border-color:rgb(115, 93, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 93, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 93, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 93, 156); box-shadow:4px 4px 4px 4px rgb(115, 93, 156) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 38.576, 306.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 93, 156) }
```

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

```
.background{ background-color: rgb(115, 93,  
156) }
```

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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