

Converting Colors

CIELCh(44, 37.652, 307.146)

Have a look what the booklet for
CIELCh(44, 37.652, 307.146)
contains.

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Color

CIELCh(44, 37.491, 307.044)

Conversions

Conversions Part 1

Format	Color
Hex	745D9A
RGB	116, 93, 154
RGB Percent	45%, 36%, 60%
CMY	0.5456, 0.6358, 0.3966
CMYK	0.25, 0.40, 0.00, 0.40
HSL	263°, 25%, 48%
HSV	263°, 40%, 60%
XYZ	16.9084, 13.8382, 32.2901
YIQ	106.8310, -5.8730, 23.8470

Conversions

Conversions Part 2

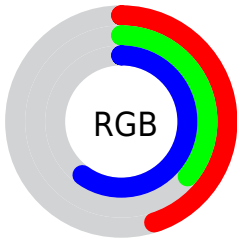
Format	Color
R _{YB}	116, 93, 154
Decimal	7626138
CIE Lab	44.00, 22.59, -29.92
CIE LCh	44, 37.491, 307.044
Yxy	13.8382, 0.2682, 0.2195
Android (android.graphics.Color)	4285816218 (0xFF745D9A)
YUV	106.8310, 23.2543, 8.0412
Hunter-Lab	37.1997, 16.0343, -25.4251

Details

The CIELCh color $44, 37.491, 307.044$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 34.889, 122.650$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 37.381, 306.756$, and $24, 37.441, 306.838$ is the 20% darker color. If you saturate the color by 10%, you get $39, 47.475, 307.764$, and if you desaturate by 10%, it is $49, 27.645, 306.357$.

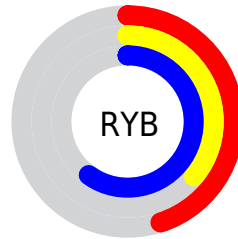
Distribution



Red (45%)

Green (36%)

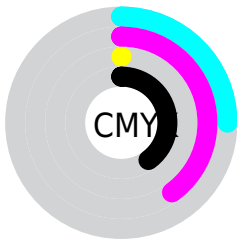
Blue (60%)



Red (45%)

Yellow (36%)

Blue (60%)

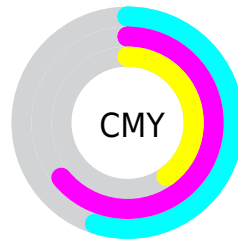


Cyan (25%)

Magenta (40%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (64%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 37.491, 307.044 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, 37.491, 307.044 by changing the saturation by 10% instead.


 44, 37.491,
307.044


 44, 37.491,
307.044


 100, 37.491,
307.044

 34, 37.491,
307.044

 64, 37.491,
307.044


 24, 37.491,
307.044

 74, 37.491,
307.044

 14, 37.491,
307.044

 84, 37.491,
307.044

 4, 37.491, 307.044

 94, 37.491,
307.044

 0, 37.491, 307.044

 44, 37.491,

 44, 37.491,

307.044

307.044

■ 39, 47.475,
307.764

■ 49, 27.645,
306.357

■ 35, 57.409,
308.477

■ 54, 18.038,
305.723

■ 30, 66.947,
309.119

■ 59, 8.713, 305.147

■ 27, 75.530,
309.585

■ 64, 0.314, 124.844

■ 69, 9.046, 124.202

■ 23, 82.398,
309.738

■ 74, 17.492,
123.805

■ 21, 87.455,
309.616

■ 78, 25.664,
123.462

■ 21, 87.643,
309.616

■ 83, 33.577,
123.164

■ 88, 41.245,

Harmonies

Complementary

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



44, 37.491, 307.044



60, 34.889, 122.650

Rectangle

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



44, 37.491, 307.044



44, 37.491, 357.044



44, 37.491, 127.044



44, 37.491, 177.044

Sweetspot

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



44, 37.490, 307.044



73, 13.429, 305.291



53, 17.871, 245.279



37, 8.901, 305.356



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



44, 37.490, 307.044



51, 56.556, 307.712



47, 40.445, 322.546



30, 5.083, 305.124



19, 81.831, 309.702



1, 5.414, 304.428

Inverse Universe

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



47, 32.342, 340.802



57, 47.757, 341.757



59, 40.058, 138.403



30, 4.557, 338.200



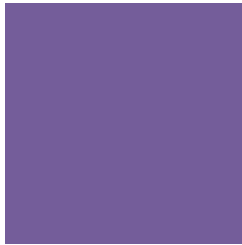
30, 56.855, 350.260



1, 4.848, 338.048

Previews

White Background



This preview shows how the CIELCh color 44, 37.491, 307.044 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, 37.491, 307.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

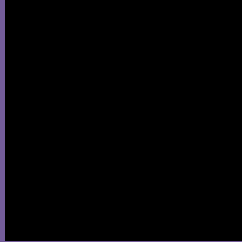
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 37.491, 307.044

Background



This preview shows how black text looks on a background with the CIELCh color 44, 37.491, 307.044.

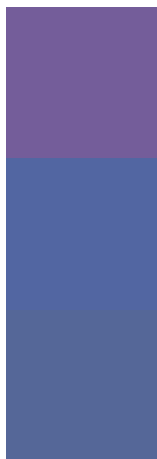


This preview shows how white text looks on a background with the CIELCh color 44, 37.491, 307.044.

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, 37.491, 307.044

Protanopia

44, 36.114, 285.532

Deuteranopia

44, 29.637, 283.087



Tritanopia
44, 5.409, 317.563

Trichromacy



Original Color
44, 37.491, 307.044

Protanomaly
44, 35.933, 292.550

Deuteranomaly
44, 32.379, 292.886

Tritanomaly
44, 16.925, 308.137

Monochromacy



Original Color
44, 37.491, 307.044

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 13.584, 305.118

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 37.491, 307.044 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, 93, 154)` looks like.

```
.text, #text, p{  
    color:rgb(116, 93, 154)  
}
```

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, 93, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 93, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 37.491, 307.044 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, 93, 154) }
```

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

```
.border{ border-color:rgb(116, 93, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 93, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 93, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 93, 154);  
box-shadow:4px 4px 4px 4px rgb(116, 93,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 37.491, 307.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 93, 154) }
```

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

```
.background{ background-color: rgb(116, 93,  
154) }
```

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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