

Converting Colors

CIELCh(44, 37.185, 309.903)

Have a look what the booklet for
CIELCh(44, 37.185, 309.903)
contains.

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Color

CIELCh(44, 37.308, 309.918)

Conversions

Conversions Part 1

Format	Color
Hex	785C98
RGB	120, 92, 152
RGB Percent	47%, 36%, 60%
CMY	0.5305, 0.6403, 0.4051
CMYK	0.21, 0.40, 0.00, 0.41
HSL	268°, 25%, 48%
HSV	268°, 40%, 59%
XYZ	17.1540, 13.8382, 31.3477
YIQ	107.2120, -2.5720, 24.5960

Conversions

Conversions Part 2

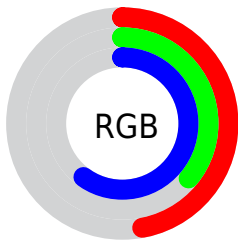
Format	Color
R_{YB}	120, 92, 152
Decimal	7888024
CIE _{Lab}	44.00, 23.94, -28.61
CIE _{LCh}	44, 37.308, 309.918
Yxy	13.8382, 0.2752, 0.2220
Android (android.graphics.Color)	4286078104 (0xFF785C98)
YUV	107.2120, 22.0805, 11.2151
Hunter-Lab	37.1997, 17.2124, -23.9230

Details

The CIELCh color $44, 37.308, 309.918$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $59, 35.137, 126.051$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 37.271, 309.542$, and $24, 37.783, 310.083$ is the 20% darker color. If you saturate the color by 10%, you get $39, 47.108, 310.488$, and if you desaturate by 10%, it is $49, 27.559, 309.352$.

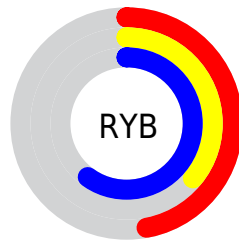
Distribution



Red (47%)

Green (36%)

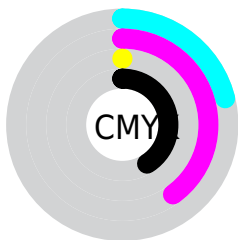
Blue (60%)



Red (47%)

Yellow (36%)

Blue (60%)

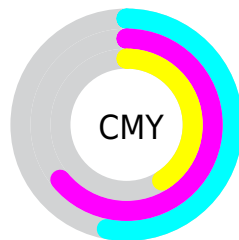


Cyan (21%)

Magenta (40%)

Yellow (0%)

Black (41%)



Cyan (53%)


Magenta (64%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 37.308, 309.918 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, 37.308, 309.918 by changing the saturation by 10% instead.


 44, 37.308,
309.918


 44, 37.308,
309.918


 100, 37.308,
309.918


 34, 37.308,
309.918

 64, 37.308,
309.918


 24, 37.308,
309.918

 74, 37.308,
309.918

 14, 37.308,
309.918

 84, 37.308,
309.918

 4, 37.308, 309.918

 94, 37.308,
309.918

 0, 37.308, 309.918

 44, 37.308,

 44, 37.308,

309.918

309.918

39, 47.108,
310.488

49, 27.559,
309.352

35, 56.747,
311.024

53, 17.987,
308.814

31, 65.867,
311.461

58, 8.655, 308.313

28, 73.938,
311.711

63, 0.410, 128.085

68, 9.198, 127.479

25, 80.294,
311.659

72, 17.712,
127.117

22, 84.934,
311.345

77, 25.960,
126.801

22, 85.157,
311.336

82, 33.955,
126.525

87, 41.708,

Harmonies

Complementary

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



44, 37.308, 309.918



59, 35.137, 126.051

Rectangle

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



44, 37.308, 309.918



44, 37.308, 359.918



44, 37.308, 129.918



44, 37.308, 179.918

Sweetspot

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



44, 37.307, 309.918



72, 13.496, 308.445



51, 18.802, 256.129



37, 9.038, 308.503



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, 37.307, 309.918



52, 55.106, 310.398



47, 40.617, 325.036



30, 5.165, 308.298



20, 80.351, 311.414



1, 5.505, 307.612

Inverse Universe

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



47, 30.169, 345.532



56, 43.947, 346.559



58, 40.532, 140.425



30, 4.280, 342.575



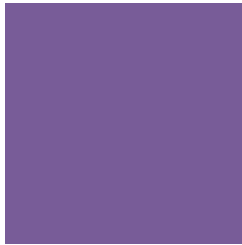
30, 54.856, 357.918



1, 4.551, 342.352

Previews

White Background



This preview shows how the CIELCh color 44, 37.308, 309.918 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, 37.308, 309.918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

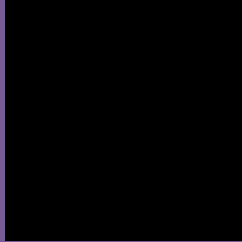
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 37.308, 309.918

Background



This preview shows how black text looks on a background with the CIELCh color 44, 37.308, 309.918.



This preview shows how white text looks on a background with the CIELCh color 44, 37.308, 309.918.

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, 37.308, 309.918

Protanopia

44, 35.501, 285.696

Deuteranopia

44, 27.814, 283.218



Tritanopia
44, 6.607, 333.792

Trichromacy



Original Color
44, 37.308, 309.918

Protanomaly
44, 35.972, 294.060

Deuteranomaly
44, 30.599, 294.374

Tritanomaly
44, 17.562, 314.345

Monochromacy



Original Color
44, 37.308, 309.918

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 13.918, 309.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 37.308, 309.918 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(120, 92, 152)` looks like.

```
.text, #text, p{  
    color:rgb(120, 92, 152)  
}
```

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(120, 92, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 92, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 37.308, 309.918 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(120, 92, 152) }
```

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

```
.border{ border-color:rgb(120, 92, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 92, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 92, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 92, 152);  
box-shadow:4px 4px 4px 4px rgb(120, 92,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 37.308, 309.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 92, 152) }
```

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

```
.background{ background-color: rgb(120, 92,  
152) }
```

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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