

Converting Colors

CIELCh(42, 22.800, 333.750)

Have a look what the booklet for
CIELCh(42, 22.800, 333.750)
contains.

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Color

CIELCh(42, 23.102, 333.796)

Conversions

Conversions Part 1

Format	Color
Hex	7D5774
RGB	125, 87, 116
RGB Percent	49%, 34%, 45%
CMY	0.5088, 0.6579, 0.5441
CMYK	0.00, 0.30, 0.07, 0.51
HSL	314°, 18%, 42%
HSV	314°, 30%, 49%
XYZ	15.0878, 12.5000, 18.2150
YIQ	101.6680, 13.3390, 17.0750

Conversions

Conversions Part 2

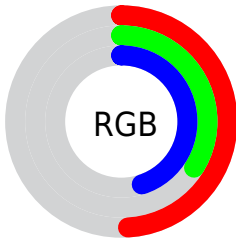
Format	Color
R_{YB}	125, 87, 116
Decimal	8214388
CIE _{Lab}	42.00, 20.73, -10.20
CIE _{LCh}	42, 23.102, 333.796
Yxy	12.5000, 0.3294, 0.2729
Android (android.graphics.Color)	4286404468 (0xFF7D5774)
YUV	101.6680, 7.0657, 20.4622
Hunter-Lab	35.3553, 14.3027, -5.7973

Details

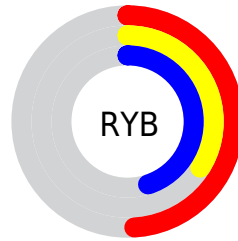
The CIELCh color $42, 23.102, 333.796$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $49, 22.957, 149.609$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 23.257, 333.616$, and $22, 22.896, 333.424$ is the 20% darker color. If you saturate the color by 10%, you get $39, 30.538, 334.503$, and if you desaturate by 10%, it is $45, 15.479, 333.119$.

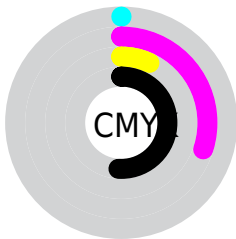
Distribution



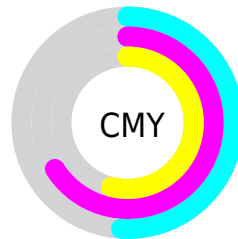
- Red (49%)
- Green (34%)
- Blue (45%)



- Red (49%)
- Yellow (34%)
- Blue (45%)



- Cyan (0%)
- Magenta (30%)
- Yellow (7%)
- Black (51%)





- Cyan (51%)
- Magenta (66%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 23.102, 333.796 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 42, 23.102, 333.796 by changing the saturation by 10% instead.


 42, 23.102,
333.796


 42, 23.102,
333.796


 100, 23.102,
333.796


 32, 23.102,
333.796

 62, 23.102,
333.796


 22, 23.102,
333.796

 72, 23.102,
333.796

 12, 23.102,
333.796

 82, 23.102,
333.796

 2, 23.102, 333.796

 92, 23.102,
333.796

 0, 23.102, 333.796

 42, 23.102,

 42, 23.102,

333.796

39, 30.538,
334.503

36, 37.572,
335.244

33, 43.923,
336.029

31, 49.269,
336.877

29, 53.293,
337.813

28, 55.772,
338.877

27, 57.207,
339.991

333.796

45, 15.479,
333.119

49, 7.833, 332.462

52, 0.267, 331.028

56, 7.151, 151.322

60, 14.382,
150.748

63, 21.409,
150.214

67, 28.226,
149.711

71, 34.836,
149.235

75, 41.246,

Harmonies

Complementary

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



42, 23.102, 333.796



49, 22.957, 149.609

Rectangle

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



42, 23.102, 333.796



42, 23.102, 23.796



42, 23.102, 153.796



42, 23.102, 203.796

Sweetspot

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



42, 23.100, 333.797



63, 8.452, 332.387



39, 23.588, 301.518



32, 5.848, 332.468



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



42, 23.100, 333.797



52, 33.927, 334.253



41, 17.340, 1.535



25, 4.325, 332.380



28, 57.928, 340.017



0, 0.000, 0.000

Inverse Universe

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



42, 23.100, 333.797



52, 33.927, 334.253



50, 15.738, 175.483



25, 4.325, 332.380



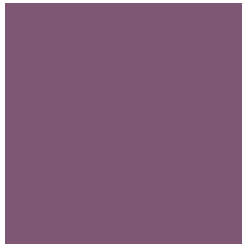
28, 57.928, 340.017



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 42, 23.102, 333.796 looks on a white background.

Color Contrast Check

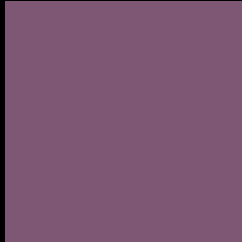
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 23.102, 333.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

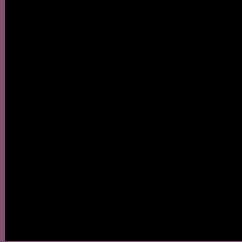
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 23.102, 333.796

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.102, 333.796.



This preview shows how white text looks on a background with the CIELCh color 42, 23.102, 333.796.

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

42, 23.102, 333.796

Protanopia

42, 15.778, 285.763

Deuteranopia

42, 10.506, 302.455



Tritanopia
42, 14.319, 4.480

Trichromacy



Original Color
42, 23.102, 333.796

Protanomaly
42, 16.969, 306.907

Deuteranomaly
42, 14.994, 318.774

Tritanomaly
42, 16.778, 349.486

Monochromacy



Original Color
42, 23.102, 333.796

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 8.082, 332.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.102, 333.796 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(125, 87, 116)` looks like.

```
.text, #text, p{  
    color:rgb(125, 87, 116)  
}
```

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(125, 87, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 87, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.102, 333.796 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(125, 87, 116) }
```

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

```
.border{ border-color:rgb(125, 87, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 87, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 87, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 87, 116);  
box-shadow:4px 4px 4px 4px rgb(125, 87,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.102, 333.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 87, 116) }
```

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

```
.background{ background-color: rgb(125, 87,  
116) }
```

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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