

Converting Colors

CIELCh(42, 22.765, 322.959)

Have a look what the booklet for
CIELCh(42, 22.765, 322.959)
contains.

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Color

CIELCh(42, 23.137, 323.228)

Conversions

Conversions Part 1

Format	Color
Hex	77597A
RGB	119, 89, 122
RGB Percent	47%, 35%, 48%
CMY	0.5329, 0.6506, 0.5211
CMYK	0.02, 0.27, 0.00, 0.52
HSL	295°, 16%, 41%
HSV	295°, 27%, 48%
XYZ	14.7239, 12.5000, 20.0852
YIQ	101.7320, 7.2870, 16.6230

Conversions

Conversions Part 2

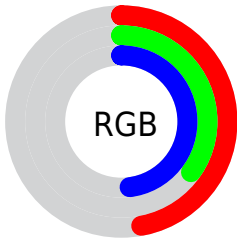
Format	Color
R_{YB}	119, 89, 122
Decimal	7821690
CIE Lab	42.00, 18.53, -13.85
CIE LCh	42, 23.137, 323.228
Yxy	12.5000, 0.3112, 0.2642
Android (android.graphics.Color)	4286011770 (0xFF77597A)
YUV	101.7320, 9.9921, 15.1440
Hunter-Lab	35.3553, 12.4653, -8.9336

Details

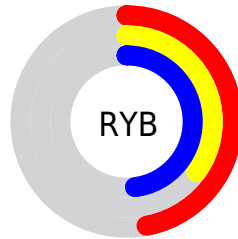
The CIELCh color $42, 23.137, 323.228$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $48, 23.021, 140.442$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 23.191, 323.907$, and $22, 22.884, 323.466$ is the 20% darker color. If you saturate the color by 10%, you get $39, 31.627, 323.678$, and if you desaturate by 10%, it is $45, 14.535, 322.758$.

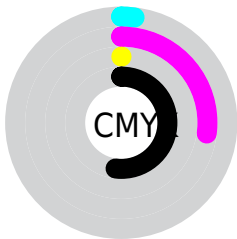
Distribution



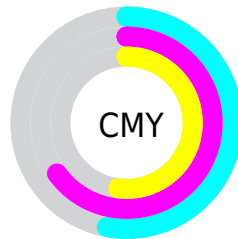
- Red (47%)
- Green (35%)
- Blue (48%)



- Red (47%)
- Yellow (35%)
- Blue (48%)



- Cyan (2%)
- Magenta (27%)
- Yellow (0%)
- Black (52%)



- Cyan (53%)
- Magenta (65%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 23.137, 323.228 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, 23.137, 323.228 by changing the saturation by 10% instead.

 42, 23.137,
323.228


 42, 23.137,
323.228


 100, 23.137,
323.228


 32, 23.137,
323.228

 62, 23.137,
323.228


 22, 23.137,
323.228


 72, 23.137,
323.228

 12, 23.137,
323.228

 82, 23.137,
323.228

 2, 23.137, 323.228

 92, 23.137,
323.228

 0, 23.137, 323.228

 42, 23.137,

 42, 23.137,

323.228

39, 31.627,
323.678

36, 39.815,
324.090

33, 47.445,
324.445

31, 54.207,
324.717

29, 59.776,
324.884

27, 63.874,
324.923

26, 66.606,
324.845

26, 67.391,
324.822

323.228

45, 14.535,
322.758

49, 5.962, 322.271

52, 2.490, 141.900

56, 10.765,
141.399

60, 18.829,
140.961

63, 26.667,
140.549

67, 34.274,
140.163

70, 41.651,
139.803

■ 74, 48.807,
139.469

Harmonies

Complementary

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



42, 23.137, 323.228



48, 23.021, 140.442

Rectangle

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



42, 23.137, 323.228



42, 23.137, 13.228



42, 23.137, 143.228



42, 23.137, 193.228

Sweetspot

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



42, 23.135, 323.228



62, 8.392, 322.329



40, 18.132, 289.087



31, 5.936, 322.393



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 23.135, 323.228



52, 33.822, 323.490



42, 18.027, 340.711



24, 4.795, 322.373



27, 68.514, 324.814



56, 115.382, 324.634

Inverse Universe

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



41, 14.527, 14.387



51, 21.604, 15.128



48, 17.693, 156.452



24, 2.868, 12.519



25, 57.538, 34.460



53, 99.913, 37.102

Previews

White Background



This preview shows how the CIELCh color 42, 23.137, 323.228 looks on a white background.

Color Contrast Check

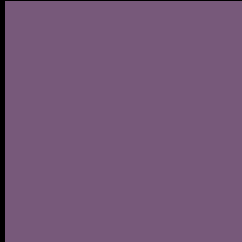
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 23.137, 323.228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

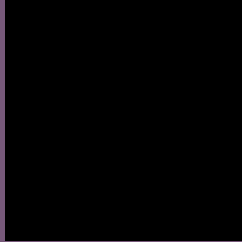
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 23.137, 323.228

Background



This preview shows how black text looks on a background with the CIELCh color 42, 23.137, 323.228.



This preview shows how white text looks on a background with the CIELCh color 42, 23.137, 323.228.

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, 23.137, 323.228

Protanopia

42, 18.827, 285.241

Deuteranopia

42, 14.538, 293.782



Tritanopia
42, 10.606, 357.544

Trichromacy



Original Color
42, 23.137, 323.228

Protanomaly
42, 18.960, 299.639

Deuteranomaly
42, 17.067, 308.180

Tritanomaly
42, 14.109, 338.335

Monochromacy



Original Color
42, 23.137, 323.228

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 8.550, 322.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 23.137, 323.228 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(119, 89, 122)` looks like.

```
.text, #text, p{  
    color:rgb(119, 89, 122)  
}
```

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(119, 89, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 89, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 23.137, 323.228 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(119, 89, 122) }
```

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

```
.border{ border-color:rgb(119, 89, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 89, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 89, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 89, 122);  
box-shadow:4px 4px 4px 4px rgb(119, 89,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 23.137, 323.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 89, 122) }
```

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

```
.background{ background-color: rgb(119, 89,  
122) }
```

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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