

Converting Colors

CIELCh(42, 39.285, 322.595)

Have a look what the booklet for
CIELCh(42, 39.285, 322.595)
contains.

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Color

CIELCh(42, 39.103, 322.477)

Conversions

Conversions Part 1

Format	Color
Hex	83518B
RGB	131, 81, 139
RGB Percent	51%, 32%, 55%
CMY	0.4874, 0.6834, 0.4561
CMYK	0.06, 0.42, 0.00, 0.46
HSL	292°, 26%, 43%
HSV	292°, 42%, 54%
XYZ	16.8736, 12.5000, 25.8351
YIQ	102.5620, 11.1820, 28.6380

Conversions

Conversions Part 2

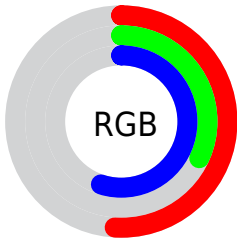
Format	Color
R_{YB}	131, 81, 139
Decimal	8606091
CIE _{Lab}	42.00, 31.01, -23.82
CIE _{LCh}	42, 39.103, 322.477
Yxy	12.5000, 0.3056, 0.2264
Android (android.graphics.Color)	4286796171 (0xFF83518B)
YUV	102.5620, 17.9639, 24.9401
Hunter-Lab	35.3553, 23.3185, -18.5760

Details

The CIELCh color $42, 39.103, 322.477$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 38.702, 138.153$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 38.918, 322.292$, and $22, 39.040, 322.261$ is the 20% darker color. If you saturate the color by 10%, you get $39, 47.916, 322.845$, and if you desaturate by 10%, it is $46, 29.859, 322.058$.

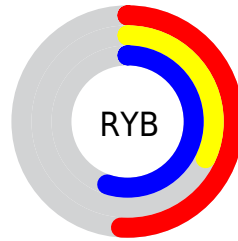
Distribution



Red (51%)

Green (32%)

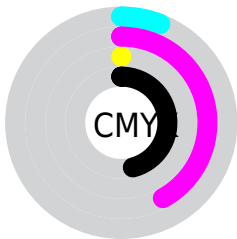
Blue (55%)



Red (51%)

Yellow (32%)

Blue (55%)

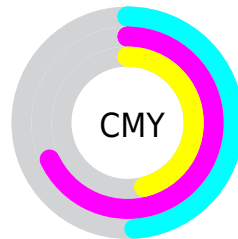


Cyan (6%)

Magenta (42%)

Yellow (0%)

Black (46%)



Cyan (49%)

Magenta (68%)

Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 39.103, 322.477 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, 39.103, 322.477 by changing the saturation by 10% instead.

 42, 39.103,
322.477

 42, 39.103,
322.477


 100, 39.103,
322.477

 32, 39.103,
322.477

 62, 39.103,
322.477


 22, 39.103,
322.477

 72, 39.103,
322.477

 12, 39.103,
322.477

 82, 39.103,
322.477

 2, 39.103, 322.477

 92, 39.103,
322.477

 0, 39.103, 322.477

 42, 39.103,

 42, 39.103,

322.477

39, 47.916,
322.845

36, 55.985,
323.136

33, 62.933,
323.318

31, 68.386,
323.359

30, 72.068,
323.232

29, 74.239,
323.054

322.477

46, 29.859,
322.058

49, 20.433,
321.611

53, 10.998,
321.149

57, 1.669, 320.610

61, 7.479, 140.297

65, 16.405,
139.865

69, 25.086,
139.465

73, 33.515,
139.091

■ 77, 41.693,
138.744

Harmonies

Complementary

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



42, 39.103, 322.477



53, 38.702, 138.153

Rectangle

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



42, 39.103, 322.477



42, 39.103, 12.477



42, 39.103, 142.477



42, 39.103, 192.477

Sweetspot

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



42, 39.101, 322.477



67, 15.074, 321.218



39, 30.164, 289.281



35, 10.645, 321.311



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



42, 39.101, 322.477



51, 57.550, 322.822



42, 31.839, 339.650



27, 5.218, 321.024



28, 71.852, 323.075



0, 2.405, 320.629

Inverse Universe

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



41, 25.938, 13.002



50, 39.180, 14.814



53, 31.288, 152.714



27, 3.196, 8.794



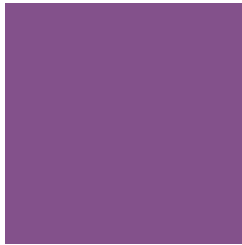
27, 58.673, 32.207



0, 1.446, 8.086

Previews

White Background



This preview shows how the CIELCh color 42, 39.103, 322.477 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, 39.103, 322.477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

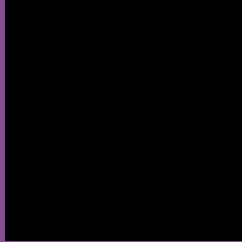
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 39.103, 322.477

Background



This preview shows how black text looks on a background with the CIELCh color 42, 39.103, 322.477.



This preview shows how white text looks on a background with the CIELCh color 42, 39.103, 322.477.

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, 39.103, 322.477

Protanopia

42, 33.362, 285.299

Deuteranopia

42, 22.459, 285.417



Tritanopia
42, 15.607, 6.146

Trichromacy



Original Color
42, 39.103, 322.477

Protanomaly
42, 34.003, 298.281

Deuteranomaly
42, 27.092, 303.035

Tritanomaly
42, 22.069, 339.895

Monochromacy



Original Color
42, 39.103, 322.477

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 14.631, 321.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 39.103, 322.477 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(131, 81, 139)` looks like.

```
.text, #text, p{  
    color:rgb(131, 81, 139)  
}
```

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(131, 81, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 81, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 39.103, 322.477 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(131, 81, 139) }
```

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

```
.border{ border-color:rgb(131, 81, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 81, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 81, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 81, 139); box-shadow:4px 4px 4px 4px rgb(131, 81, 139) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 39.103, 322.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 81, 139) }
```

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

```
.background{ background-color: rgb(131, 81,  
139) }
```

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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