

Converting Colors

CIELCh(42, 71.923, 327.784)

Have a look what the booklet for
CIELCh(42, 71.923, 327.784)
contains.

CIELCh(42, 71.643, 327.768)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 71.643, 327.768)

Conversions

Conversions Part 1

Format	Color
Hex	A32FA3
RGB	163, 47, 163
RGB Percent	64%, 18%, 64%
CMY	0.3602, 0.8150, 0.3602
CMYK	0.00, 0.71, 0.00, 0.36
HSL	300°, 55%, 41%
HSV	300°, 71%, 64%
XYZ	22.7847, 12.5000, 35.9331
YIQ	94.9080, 31.9000, 60.6680

Conversions

Conversions Part 2

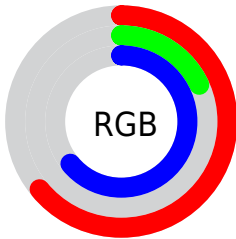
Format	Color
RYB	163, 47, 163
Decimal	10694563
CIELab	42.00, 60.60, -38.21
CIElCh	42, 71.643, 327.768
Yxy	12.5000, 0.3199, 0.1755
Android (android.graphics.Color)	4288884643 (0xFFA32FA3)
YUV	94.9080, 33.5694, 59.7167
Hunter-Lab	35.3553, 53.1622, -35.5102

Details

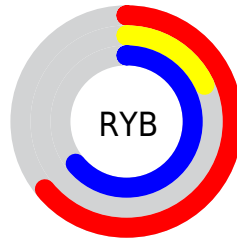
The CIELCh color $42, 71.643, 327.768$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $59, 72.920, 138.125$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 71.528, 327.935$, and $25, 62.707, 326.878$ is the 20% darker color. If you saturate the color by 10%, you get $40, 77.253, 328.006$, and if you desaturate by 10%, it is $44, 64.185, 327.445$.

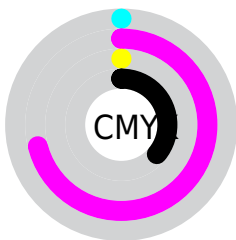
Distribution



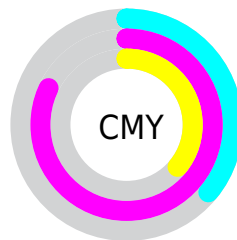
- Red (64%)
- Green (18%)
- Blue (64%)



- Red (64%)
- Yellow (18%)
- Blue (64%)



- Cyan (0%)
- Magenta (71%)
- Yellow (0%)
- Black (36%)





- Cyan (36%)
- Magenta (82%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 71.643, 327.768 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, 71.643, 327.768 by changing the saturation by 10% instead.


 42, 71.643,
327.768


 42, 71.643,
327.768


 100, 71.643,
327.768


 32, 71.643,
327.768

 62, 71.643,
327.768


 22, 71.643,
327.768

 72, 71.643,
327.768

 12, 71.643,
327.768

 82, 71.643,
327.768

 2, 71.643, 327.768

 92, 71.643,
327.768

 0, 71.643, 327.768

 42, 71.643,

 42, 71.643,

327.768

■ 40, 77.253,
328.006

■ 39, 80.837,
328.156

■ 39, 82.740,
328.236

327.768

■ 44, 64.185,
327.445

■ 47, 55.239,
327.048

■ 51, 45.217,
326.592

■ 54, 34.512,
326.093

■ 58, 23.453,
325.566

■ 62, 12.290,
325.021

■ 67, 1.200, 324.318

■ 71, 9.699, 143.998

■ 75, 20.334,
143.473

Harmonies

Complementary

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



42, 71.643, 327.768



59, 72.920, 138.125

Rectangle

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



42, 71.643, 327.768



42, 71.643, 17.768



42, 71.643, 147.768



42, 71.643, 197.768

Sweetspot

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



42, 71.641, 327.768



74, 28.871, 325.582



28, 73.201, 301.790



38, 19.698, 325.722



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



42, 71.641, 327.768



51, 96.440, 328.100



39, 52.683, 352.667



32, 6.267, 324.920



34, 76.017, 328.235



2, 9.704, 324.441

Inverse Universe

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



42, 71.641, 327.768



51, 96.440, 328.100



60, 50.321, 155.220



32, 6.267, 324.920



34, 76.017, 328.235



2, 9.704, 324.441

Previews

White Background



This preview shows how the CIELCh color 42, 71.643, 327.768 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, 71.643, 327.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

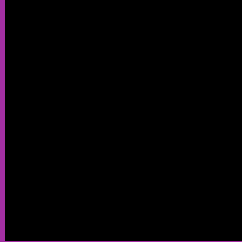
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 71.643, 327.768

Background



This preview shows how black text looks on a background with the CIELCh color 42, 71.643, 327.768.



This preview shows how white text looks on a background with the CIELCh color 42, 71.643, 327.768.

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, 71.643, 327.768

Protanopia

42, 65.708, 287.355

Deuteranopia

42, 33.751, 280.192



Tritanopia
42, 35.607, 19.634

Trichromacy



Original Color
42, 71.643, 327.768



Protanomaly
38, 68.123, 296.235



Deuteranomaly
40, 47.435, 305.738



Tritanomaly
41, 43.982, 350.210

Monochromacy



Original Color
42, 71.643, 327.768



Achromatopsia
40, 0.006, 296.813



Achromatomaly
39, 30.169, 326.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 71.643, 327.768 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(163, 47, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 47, 163)  
}
```

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(163, 47, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 47, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 71.643, 327.768 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(163, 47, 163) }
```

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

```
.border{ border-color:rgb(163, 47, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 47, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 47, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 47, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 47,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 71.643, 327.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 47, 163) }
```

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

```
.background{ background-color: rgb(163, 47,  
163) }
```

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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