

Converting Colors

CIELCh(34, 42.647, 323.587)

Have a look what the booklet for
CIELCh(34, 42.647, 323.587)
contains.

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Color

CIELCh(34, 42.635, 323.573)

Conversions

Conversions Part 1

Format	Color
Hex	723B79
RGB	114, 59, 121
RGB Percent	45%, 23%, 47%
CMY	0.5546, 0.7701, 0.5271
CMYK	0.06, 0.51, 0.00, 0.53
HSL	293°, 35%, 35%
HSV	293°, 51%, 47%
XYZ	11.8555, 8.0082, 18.8786
YIQ	82.5130, 12.8780, 30.9420

Conversions

Conversions Part 2

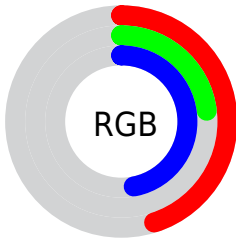
Format	Color
R_{YB}	114, 59, 121
Decimal	7486329
CIE _{Lab}	34.00, 34.30, -25.32
CIE _{LCh}	34, 42.635, 323.573
Yxy	8.0082, 0.3060, 0.2067
Android (android.graphics.Color)	4285676409 (0xFF723B79)
YUV	82.5130, 18.9741, 27.6141
Hunter-Lab	28.2988, 25.2580, -19.7441

Details

The CIELCh color $[34, 42.635, 323.573]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[46, 42.332, 138.060]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 42.425, 323.240]$, and $[14, 42.460, 323.656]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 49.887, 323.882]$, and if you desaturate by 10%, it is $[37, 34.728, 323.194]$.

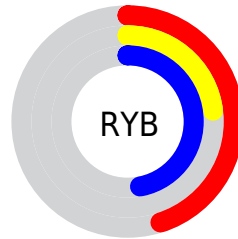
Distribution



Red (45%)

Green (23%)

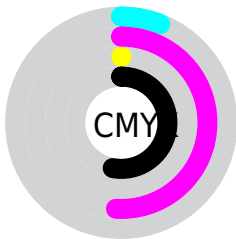
Blue (47%)



Red (45%)

Yellow (23%)

Blue (47%)

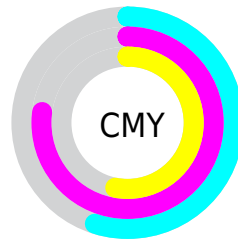


Cyan (6%)

Magenta (51%)

Yellow (0%)

Black (53%)



Cyan (55%)


Magenta (77%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 42.635, 323.573 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 34, 42.635, 323.573 by changing the saturation by 10% instead.


 34, 42.635,
323.573

 34, 42.635,
323.573

 100, 42.635,
323.573


 24, 42.635,
323.573

 54, 42.635,
323.573


 14, 42.635,
323.573


 64, 42.635,
323.573

 4, 42.635, 323.573

 74, 42.635,
323.573

 0, 42.635, 323.573

 84, 42.635,
323.573

 94, 42.635,
323.573

■ 34, 42.635,
323.573

■ 34, 42.635,
323.573

■ 31, 49.887,
323.882

■ 37, 34.728,
323.194

■ 29, 56.169,
324.095

■ 40, 26.444,
322.768

■ 27, 61.159,
324.183

■ 43, 17.995,
322.316

■ 26, 64.617,
324.125

■ 47, 9.532, 321.849

■ 50, 1.161, 321.272

■ 25, 66.922,
324.018

■ 54, 7.054, 140.987

■ 57, 15.072,
140.548

■ 61, 22.873,
140.139

■ 65, 30.450,
139.756

Harmonies

Complementary

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



34, 42.635, 323.573



46, 42.332, 138.060

Rectangle

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



34, 42.635, 323.573



34, 42.635, 13.573



34, 42.635, 143.573



34, 42.635, 193.573

Sweetspot

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



34, 42.634, 323.573



58, 15.497, 322.035



30, 34.999, 292.671



29, 10.665, 322.115



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



34, 42.634, 323.573



40, 61.699, 323.936



34, 33.769, 342.231



24, 4.763, 321.738



26, 68.653, 324.003



55, 115.638, 323.782

Inverse Universe

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



33, 28.952, 16.617



39, 43.637, 19.555



46, 33.023, 153.025



24, 2.879, 10.748



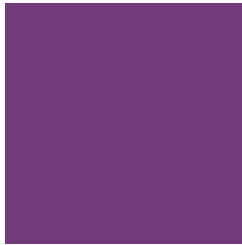
25, 56.867, 33.354



53, 98.651, 36.049

Previews

White Background



This preview shows how the CIELCh color 34, 42.635, 323.573 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 34, 42.635, 323.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

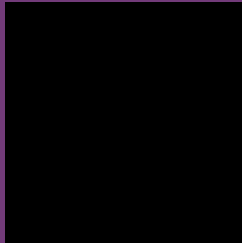
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 42.635, 323.573

Background



This preview shows how black text looks on a background with the CIELCh color 34, 42.635, 323.573.



This preview shows how white text looks on a background with the CIELCh color 34, 42.635, 323.573.

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

34, 42.635, 323.573

Protanopia

34, 37.109, 285.260

Deuteranopia

34, 23.429, 282.362



Tritanopia
34, 17.484, 12.280

Trichromacy



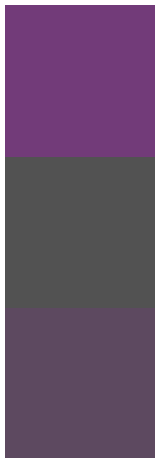
Original Color
34, 42.635, 323.573

Protanomaly
34, 37.700, 298.114

Deuteranomaly
34, 29.284, 302.487

Tritanomaly
34, 24.305, 342.340

Monochromacy



Original Color
34, 42.635, 323.573

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 16.637, 321.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 42.635, 323.573 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(114, 59, 121)` looks like.

```
.text, #text, p{  
    color:rgb(114, 59, 121)  
}
```

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(114, 59, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 59, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 42.635, 323.573 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(114, 59, 121) }
```

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

```
.border{ border-color:rgb(114, 59, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 59, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 59, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 59, 121);  
box-shadow:4px 4px 4px 4px rgb(114, 59,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 42.635, 323.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 59, 121) }
```

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

```
.background{ background-color: rgb(114, 59,  
121) }
```

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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