

Converting Colors

CIELCh(41, 35.368, 273.386)

Have a look what the booklet for
CIELCh(41, 35.368, 273.386)
contains.

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Color

CIELCh(41, 34.975, 272.845)

Conversions

Conversions Part 1

Format	Color
Hex	31639A
RGB	49, 99, 154
RGB Percent	19%, 39%, 60%
CMY	0.8087, 0.6124, 0.3968
CMYK	0.68, 0.36, 0.00, 0.40
HSL	211°, 52%, 40%
HSV	211°, 68%, 60%
XYZ	11.5176, 11.8645, 32.1706
YIQ	90.3200, -47.4550, 6.5050

Conversions

Conversions Part 2

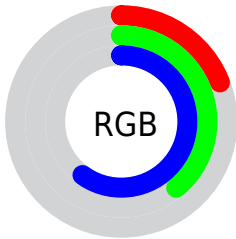
Format	Color
R_{YB}	49, 83, 154
Decimal	3236762
CIE _{Lab}	41.00, 1.74, -34.93
CIE _{LCh}	41, 34.975, 272.845
Yxy	11.8645, 0.2073, 0.2136
Android (android.graphics.Color)	4281426842 (0xFF31639A)
YUV	90.3200, 31.3942, -36.2376
Hunter-Lab	34.4449, -0.5922, -31.2637

Details

The CIELCh color **41, 34.975, 272.845** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 40.941, 69.137**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 35.286, 273.489**, and **22, 33.595, 279.214** is the 20% darker color. If you saturate the color by 10%, you get **38, 39.957, 276.591**, and if you desaturate by 10%, it is **44, 30.000, 269.545**.

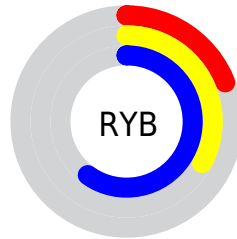
Distribution



Red (19%)

Green (39%)

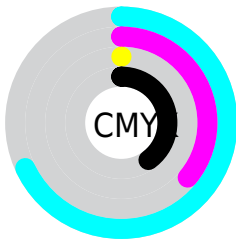
Blue (60%)



Red (19%)

Yellow (33%)

Blue (60%)

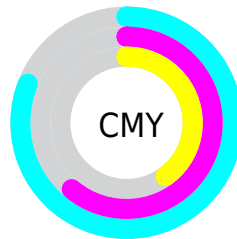


Cyan (68%)

Magenta (36%)

Yellow (0%)

Black (40%)



Cyan (81%)

Magenta (61%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 34.975, 272.845 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 41, 34.975, 272.845 by changing the saturation by 10% instead.


 41, 34.975,
272.845

 41, 34.975,
272.845


 100, 34.975,
272.845


 31, 34.975,
272.845

 61, 34.975,
272.845


 21, 34.975,
272.845

 71, 34.975,
272.845


 11, 34.975,
272.845


 81, 34.975,
272.845

 1, 34.975, 272.845

 91, 34.975,
272.845

 0, 34.975, 272.845

 41, 34.975,

 41, 34.975,

272.845

■ 38, 39.957,
276.591

■ 35, 45.013,
280.708

■ 33, 50.216,
284.944

■ 32, 51.134,
285.618

272.845

■ 44, 30.000,
269.545

■ 47, 24.989,
266.696

■ 51, 19.919,
264.269

■ 54, 14.784,
262.215

■ 57, 9.594, 260.483

■ 61, 4.362, 259.041

■ 64, 0.896, 77.394

■ 68, 6.164, 76.589

■ 71, 11.426, 75.678

Harmonies

Complementary

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



41, 34.975, 272.845



48, 40.941, 69.137

Rectangle

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



41, 34.975, 272.845



41, 34.975, 322.845



41, 34.975, 92.845



41, 34.975, 142.845

Sweetspot

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



41, 34.974, 272.846



72, 12.930, 260.823



57, 45.792, 156.627



36, 8.790, 261.254



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



41, 34.974, 272.846



48, 51.561, 278.734



27, 66.786, 301.379



31, 2.961, 259.163



29, 47.411, 285.230



1, 3.231, 258.757

Inverse Universe

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



38, 48.400, 353.628



45, 66.221, 357.611



62, 54.247, 104.982



30, 4.120, 345.653



29, 54.226, 3.146



1, 4.378, 345.378

Previews

White Background



This preview shows how the CIE LCh color 41, 34.975, 272.845 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 41, 34.975, 272.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

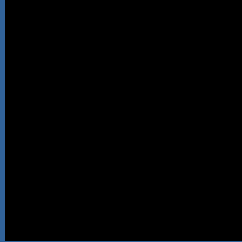
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 34.975, 272.845

Background



This preview shows how black text looks on a background with the CIELCh color 41, 34.975, 272.845.



This preview shows how white text looks on a background with the CIELCh color 41, 34.975, 272.845.

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

41, 34.975, 272.845

Protanopia

41, 34.166, 285.856

Deuteranopia

41, 35.282, 279.330



Tritanopia
41, 24.058, 208.588

Trichromacy



Original Color
41, 34.975, 272.845

Protanomaly
41, 34.000, 280.141

Deuteranomaly
41, 34.995, 276.645

Tritanomaly
41, 24.320, 236.682

Monochromacy



Original Color
41, 34.975, 272.845

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 13.669, 263.367

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 34.975, 272.845 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(49, 99, 154)` looks like.

```
.text, #text, p{  
    color:rgb(49, 99, 154)  
}
```

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(49, 99, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 99, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 34.975, 272.845 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(49, 99, 154) }
```

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

```
.border{ border-color:rgb(49, 99, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 99, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 99, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 99, 154);  
box-shadow:4px 4px 4px 4px rgb(49, 99,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 34.975, 272.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 99, 154) }
```

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

```
.background{ background-color: rgb(49, 99,  
154) }
```

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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