

Converting Colors

CIELCh(25, 27.970, 342.370)

Have a look what the booklet for
CIELCh(25, 27.970, 342.370)
contains.

CIELCh(25, 28.301, 341.472)	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(25, 28.301, 341.472)

Conversions

Conversions Part 1

Format	Color
Hex	5B2A49
RGB	91, 42, 73
RGB Percent	36%, 16%, 29%
CMY	0.6415, 0.8338, 0.7122
CMYK	0.00, 0.54, 0.20, 0.64
HSL	322°, 37%, 26%
HSV	322°, 54%, 36%
XYZ	6.4135, 4.4155, 6.8860
YIQ	60.1850, 19.2530, 20.0290

Conversions

Conversions Part 2

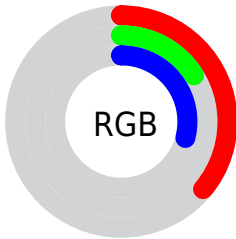
Format	Color
R_{YB}	91, 42, 73
Decimal	5974601
CIE _{Lab}	25.00, 26.83, -8.99
CIE _{LCh}	25, 28.301, 341.472
Yxy	4.4155, 0.3620, 0.2493
Android (android.graphics.Color)	4284164681 (0xFF5B2A49)
YUV	60.1850, 6.3178, 27.0248
Hunter-Lab	21.0130, 17.7080, -4.7202

Details

The CIELCh color **25, 28.301, 341.472** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **35, 27.765, 152.299**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 28.841, 341.190**, and **6, 26.152, 343.556** is the 20% darker color. If you saturate the color by 10%, you get **23, 32.791, 342.570**, and if you desaturate by 10%, it is **27, 23.324, 340.501**.

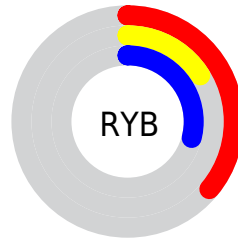
Distribution



Red (36%)

Green (16%)

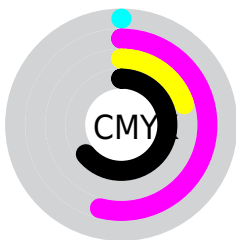
Blue (29%)



Red (36%)

Yellow (16%)

Blue (29%)

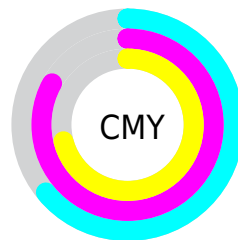


Cyan (0%)

Magenta (54%)

Yellow (20%)

Black (64%)



Cyan (64%)

Magenta (83%)

Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 28.301, 341.472 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 25, 28.301, 341.472 by changing the saturation by 10% instead.

 25, 28.301,
341.472

 25, 28.301,
341.472

 100, 28.301,
341.472

 15, 28.301,
341.472


 45, 28.301,
341.472


 5, 28.301, 341.472

 55, 28.301,
341.472

 0, 28.301, 341.472

 65, 28.301,
341.472

 75, 28.301,
341.472

 85, 28.301,
341.472

 95, 28.301,

341.472

■ 25, 28.301,
341.472

■ 25, 28.301,
341.472

■ 23, 32.791,
342.570

■ 27, 23.324,
340.501

■ 21, 36.570,
343.836

■ 30, 18.064,
339.622

■ 20, 39.412,
345.335

■ 32, 12.676,
338.816

■ 19, 41.305,
347.090

■ 35, 7.270, 338.063

■ 18, 42.520,
348.177

■ 38, 1.922, 337.294

■ 41, 3.320, 156.817

■ 43, 8.430, 156.175

■ 46, 13.394,
155.598

■ 49, 18.209,
155.059

Harmonies

Complementary

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



25, 28.301, 341.472



35, 27.765, 152.299

Rectangle

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



25, 28.301, 341.472



25, 28.301, 31.472



25, 28.301, 161.472



25, 28.301, 211.472

Sweetspot

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



25, 28.299, 341.473



45, 10.686, 338.276



22, 33.466, 307.533



22, 7.278, 338.374



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



25, 28.299, 341.473



31, 40.904, 342.862



24, 24.013, 15.191



17, 2.987, 337.710



23, 48.097, 348.796



52, 83.764, 350.656

Inverse Universe

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



25, 28.299, 341.473



31, 40.904, 342.862



35, 18.439, 184.126



17, 2.987, 337.710



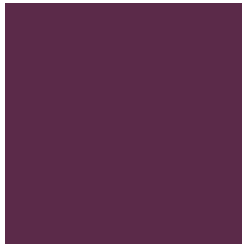
23, 48.097, 348.796



52, 83.764, 350.656

Previews

White Background



This preview shows how the CIE LCh color 25, 28.301, 341.472 looks on a white background.

Color Contrast Check

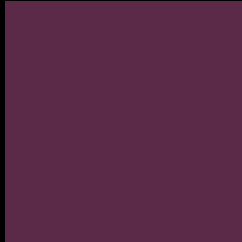
Large Text (above 18pt) WCAG AA ✓ Pass

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 25, 28.301, 341.472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

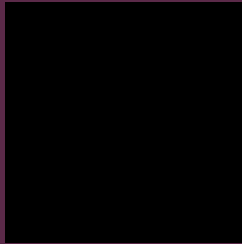
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 28.301, 341.472

Background



This preview shows how black text looks on a background with the CIELCh color 25, 28.301, 341.472.



This preview shows how white text looks on a background with the CIELCh color 25, 28.301, 341.472.

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

25, 28.301, 341.472

Protanopia

25, 17.848, 285.472

Deuteranopia

25, 7.961, 297.897



Tritanopia
25, 20.512, 16.809

Trichromacy



Original Color
25, 28.301, 341.472

Protanomaly
25, 19.306, 309.425

Deuteranomaly
25, 14.969, 325.719

Tritanomaly
25, 22.408, 1.104

Monochromacy



Original Color
25, 28.301, 341.472

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 11.265, 337.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 28.301, 341.472 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(91, 42, 73)` looks like.

```
.text, #text, p{  
    color:rgb(91, 42, 73)  
}
```

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(91, 42, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 42, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 28.301, 341.472 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(91, 42, 73) }
```

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

```
.border{ border-color:rgb(91, 42, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 42, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 42, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 42, 73);  
box-shadow:4px 4px 4px 4px rgb(91, 42, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 28.301, 341.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 42, 73) }
```

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

```
.background{ background-color: rgb(91, 42,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor