

Converting Colors

CIELCh(29, 38.812, 341.555)

Have a look what the booklet for
CIELCh(29, 38.812, 341.555)
contains.

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Color

CIELCh(29, 38.824, 341.824)

Conversions

Conversions Part 1

Format	Color
Hex	712A58
RGB	113, 42, 88
RGB Percent	44%, 16%, 35%
CMY	0.5577, 0.8361, 0.6557
CMYK	0.00, 0.63, 0.22, 0.56
HSL	321°, 46%, 30%
HSV	321°, 63%, 44%
XYZ	9.3547, 5.8380, 9.8220
YIQ	68.4730, 27.5500, 29.3580

Conversions

Conversions Part 2

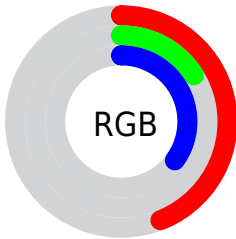
Format	Color
R_{YB}	113, 42, 88
Decimal	7416408
CIE _{Lab}	29.00, 36.89, -12.11
CIE _{LCh}	29, 38.824, 341.824
Yxy	5.8380, 0.3740, 0.2334
Android (android.graphics.Color)	4285606488 (0xFF712A58)
YUV	68.4730, 9.6268, 39.0502
Hunter-Lab	24.1619, 26.8261, -7.1885

Details

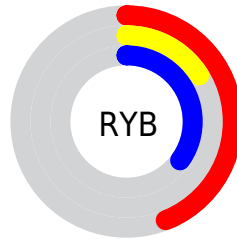
The CIELCh color **29, 38.824, 341.824** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **42, 38.508, 150.198**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 38.729, 341.857**, and **10, 33.959, 343.652** is the 20% darker color. If you saturate the color by 10%, you get **27, 43.236, 343.083**, and if you desaturate by 10%, it is **31, 33.501, 340.734**.

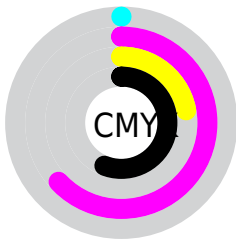
Distribution



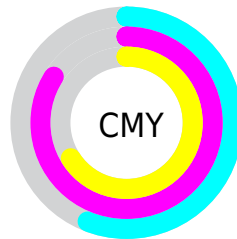
- Red (44%)
- Green (16%)
- Blue (35%)



- Red (44%)
- Yellow (16%)
- Blue (35%)



- Cyan (0%)
- Magenta (63%)
- Yellow (22%)
- Black (56%)




- Cyan (56%)
- Magenta (84%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 38.824, 341.824 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 29, 38.824, 341.824 by changing the saturation by 10% instead.

 29, 38.824,
341.824

 29, 38.824,
341.824

 100, 38.824,
341.824

 19, 38.824,
341.824


 49, 38.824,
341.824

 9, 38.824, 341.824

 59, 38.824,
341.824

 0, 38.824, 341.824

 69, 38.824,
341.824

 79, 38.824,
341.824

 89, 38.824,
341.824

 99, 38.824,

341.824

■ 29, 38.824,
341.824

■ 29, 38.824,
341.824

■ 27, 43.236,
343.083

■ 31, 33.501,
340.734

■ 25, 46.468,
344.572

■ 34, 27.562,
339.766

■ 24, 48.363,
346.366

■ 37, 21.259,
338.889

■ 24, 49.456,
347.683

■ 40, 14.790,
338.082

■ 43, 8.296, 337.326

■ 47, 1.872, 336.536

■ 50, 4.421, 156.065

■ 53, 10.552,
155.425

■ 57, 16.505,
154.845

Harmonies

Complementary

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



29, 38.824, 341.824



42, 38.508, 150.198

Rectangle

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



29, 38.824, 341.824



29, 38.824, 31.824



29, 38.824, 161.824



29, 38.824, 211.824

Sweetspot

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



29, 38.822, 341.825



53, 15.057, 337.816



24, 46.993, 307.838



26, 10.455, 337.989



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



29, 38.822, 341.825



35, 54.045, 343.792



28, 33.745, 16.485



22, 3.578, 337.034



25, 51.585, 347.857



54, 87.161, 349.405

Inverse Universe

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



29, 38.822, 341.825



35, 54.045, 343.792



43, 24.824, 181.535



22, 3.578, 337.034



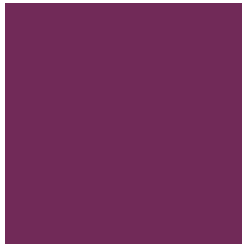
25, 51.585, 347.857



54, 87.161, 349.405

Previews

White Background



This preview shows how the CIE LCh color 29, 38.824, 341.824 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 29, 38.824, 341.824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

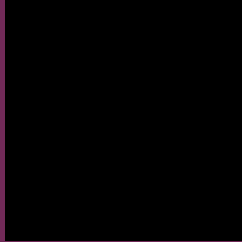
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 38.824, 341.824

Background



This preview shows how black text looks on a background with the CIELCh color 29, 38.824, 341.824.



This preview shows how white text looks on a background with the CIELCh color 29, 38.824, 341.824.

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

29, 38.824, 341.824

Protanopia

29, 25.824, 285.309

Deuteranopia

30, 10.307, 294.349



Tritanopia
29, 28.883, 20.650

Trichromacy



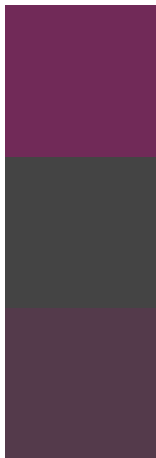
Original Color
29, 38.824, 341.824

Protanomaly
28, 28.664, 308.456

Deuteranomaly
28, 20.655, 326.015

Tritanomaly
29, 30.543, 3.920

Monochromacy



Original Color
29, 38.824, 341.824

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 15.729, 338.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 38.824, 341.824 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(113, 42, 88)` looks like.

```
.text, #text, p{  
    color:rgb(113, 42, 88)  
}
```

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(113, 42, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 42, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 38.824, 341.824 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(113, 42, 88) }
```

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

```
.border{ border-color:rgb(113, 42, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 42, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 42, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 42, 88);  
box-shadow:4px 4px 4px 4px rgb(113, 42,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 38.824, 341.824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 42, 88) }
```

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

```
.background{ background-color: rgb(113, 42,  
88) }
```

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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