

Converting Colors

CIELCh(29, 27.378, 340.615)

Have a look what the booklet for
CIELCh(29, 27.378, 340.615)
contains.

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Color

CIELCh(29, 27.725, 340.290)

Conversions

Conversions Part 1

Format	Color
Hex	643453
RGB	100, 52, 83
RGB Percent	39%, 20%, 33%
CMY	0.6066, 0.7949, 0.6734
CMYK	0.00, 0.48, 0.17, 0.61
HSL	321°, 31%, 30%
HSV	321°, 48%, 39%
XYZ	8.1038, 5.8380, 8.9429
YIQ	69.8860, 18.6570, 19.8170

Conversions

Conversions Part 2

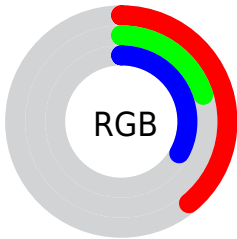
Format	Color
R_{YB}	100, 52, 83
Decimal	6566995
CIE Lab	29.00, 26.10, -9.35
CIE LCh	29, 27.725, 340.290
Yxy	5.8380, 0.3541, 0.2551
Android (android.graphics.Color)	4284757075 (0xFF643453)
YUV	69.8860, 6.4652, 26.4100
Hunter-Lab	24.1619, 17.5846, -5.0313

Details

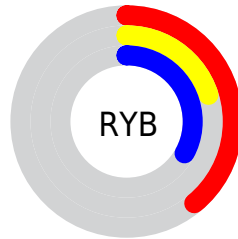
The CIELCh color $29, 27.725, 340.290$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $38, 27.232, 152.370$, and the grayscale version is $30, 0.005, 296.813$.

A 20% lighter version of the original color is $49, 27.577, 340.657$, and $9, 27.657, 340.095$ is the 20% darker color. If you saturate the color by 10%, you get $27, 32.904, 341.298$, and if you desaturate by 10%, it is $32, 22.126, 339.385$.

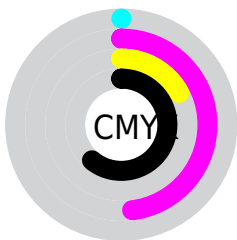
Distribution



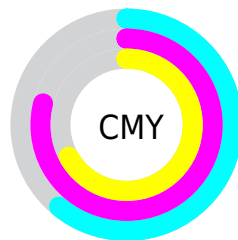
- Red (39%)
- Green (20%)
- Blue (33%)



- Red (39%)
- Yellow (20%)
- Blue (33%)



- Cyan (0%)
- Magenta (48%)
- Yellow (17%)
- Black (61%)





- Cyan (61%)
- Magenta (79%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 27.725, 340.290 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, 27.725, 340.290 by changing the saturation by 10% instead.

 29, 27.725,
340.290


 29, 27.725,
340.290

 100, 27.725,
340.290


 19, 27.725,
340.290


 49, 27.725,
340.290


 9, 27.725, 340.290

 59, 27.725,
340.290

 0, 27.725, 340.290

 69, 27.725,
340.290

 79, 27.725,
340.290

 89, 27.725,
340.290

 99, 27.725,

340.290

■ 29, 27.725,
340.290

■ 29, 27.725,
340.290

■ 27, 32.904,
341.298

■ 32, 22.126,
339.385

■ 25, 37.428,
342.443

■ 34, 16.309,
338.557

■ 23, 41.036,
343.776

■ 37, 10.418,
337.787

■ 22, 43.510,
345.367

■ 40, 4.556, 337.052

■ 21, 45.201,
347.145

■ 43, 1.212, 156.614

■ 46, 6.846, 155.847

■ 20, 45.586,
347.509

■ 49, 12.325,
155.249

■ 52, 17.643,
154.694

■ 56, 22.797,
154.175

Harmonies

Complementary

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



29, 27.725, 340.290



38, 27.232, 152.370

Rectangle

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



29, 27.725, 340.290



29, 27.725, 30.290



29, 27.725, 160.290



29, 27.725, 210.290

Sweetspot

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



29, 27.723, 340.291



49, 10.079, 337.531



26, 32.055, 306.653



24, 7.020, 337.648



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



29, 27.723, 340.291



35, 40.040, 341.381



28, 22.947, 12.909



20, 3.296, 337.131



24, 49.984, 347.921



53, 85.701, 349.578

Inverse Universe

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



29, 27.723, 340.291



35, 40.040, 341.381



39, 18.320, 183.116



20, 3.296, 337.131



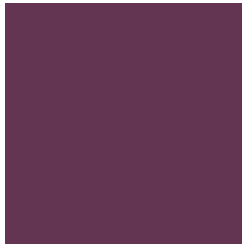
24, 49.984, 347.921



53, 85.701, 349.578

Previews

White Background



This preview shows how the CIE LCh color 29, 27.725, 340.290 looks on a white background.

Color Contrast Check

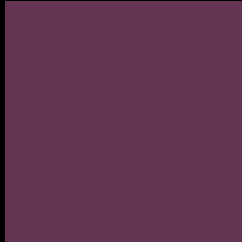
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 29, 27.725, 340.290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

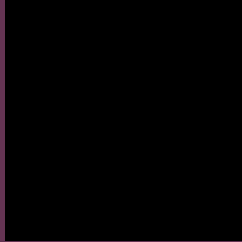
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 27.725, 340.290

Background



This preview shows how black text looks on a background with the CIELCh color 29, 27.725, 340.290.



This preview shows how white text looks on a background with the CIELCh color 29, 27.725, 340.290.

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, 27.725, 340.290

Protanopia

29, 17.461, 284.900

Deuteranopia

29, 9.131, 299.684



Tritanopia
29, 19.478, 15.826

Trichromacy



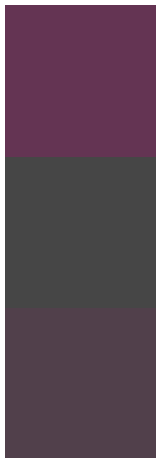
Original Color
29, 27.725, 340.290

Protanomaly
29, 19.506, 308.777

Deuteranomaly
29, 15.197, 324.232

Tritanomaly
29, 21.568, 359.767

Monochromacy



Original Color
29, 27.725, 340.290

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 10.275, 337.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 27.725, 340.290 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(100, 52, 83)` looks like.

```
.text, #text, p{  
    color:rgb(100, 52, 83)  
}
```

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(100, 52, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 52, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 27.725, 340.290 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(100, 52, 83) }
```

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

```
.border{ border-color:rgb(100, 52, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 52, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 52, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 52, 83);  
box-shadow:4px 4px 4px 4px rgb(100, 52,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 27.725, 340.290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 52, 83) }
```

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

```
.background{ background-color: rgb(100, 52,  
83) }
```

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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