

Converting Colors

CIELCh(27, 33.512, 337.699)

Have a look what the booklet for
CIELCh(27, 33.512, 337.699)
contains.

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Color

CIELCh(27, 33.949, 337.601)

Conversions

Conversions Part 1

Format	Color
Hex	642B54
RGB	100, 43, 84
RGB Percent	39%, 17%, 33%
CMY	0.6074, 0.8309, 0.6702
CMYK	0.00, 0.57, 0.16, 0.61
HSL	317°, 40%, 28%
HSV	317°, 57%, 39%
XYZ	7.7411, 5.0937, 8.9855
YIQ	64.7170, 20.8110, 24.8350

Conversions

Conversions Part 2

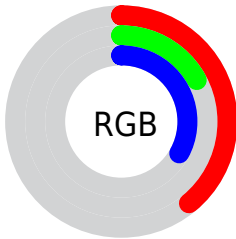
Format	Color
RYB	100, 43, 84
Decimal	6564692
CIELab	27.00, 31.39, -12.94
CIElCh	27, 33.949, 337.601
Yxy	5.0937, 0.3548, 0.2334
Android (android.graphics.Color)	4284754772 (0xFF642B54)
YUV	64.7170, 9.5065, 30.9432
Hunter-Lab	22.5692, 21.7281, -7.8067

Details

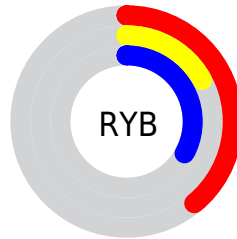
The CIELCh color **27, 33.949, 337.601** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **38, 33.852, 148.409**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 34.446, 337.539**, and **8, 31.790, 338.068** is the 20% darker color. If you saturate the color by 10%, you get **25, 38.716, 338.511**, and if you desaturate by 10%, it is **29, 28.510, 336.770**.

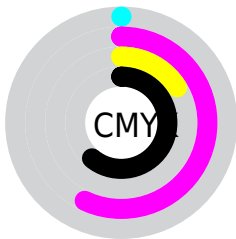
Distribution



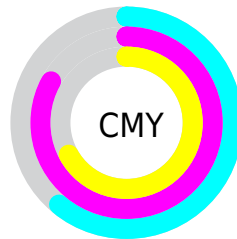
- Red (39%)
- Green (17%)
- Blue (33%)



- Red (39%)
- Yellow (17%)
- Blue (33%)



- Cyan (0%)
- Magenta (57%)
- Yellow (16%)
- Black (61%)





- Cyan (61%)
- Magenta (83%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 33.949, 337.601 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 27, 33.949, 337.601 by changing the saturation by 10% instead.

 27, 33.949,
337.601


 27, 33.949,
337.601

 100, 33.949,
337.601


 17, 33.949,
337.601


 47, 33.949,
337.601


 7, 33.949, 337.601

 57, 33.949,
337.601

 0, 33.949, 337.601

 67, 33.949,
337.601

 77, 33.949,
337.601

 87, 33.949,
337.601

 97, 33.949,

337.601

■ 27, 33.949,
337.601

■ 27, 33.949,
337.601

■ 25, 38.716,
338.511

■ 29, 28.510,
336.770

■ 23, 42.557,
339.530

■ 32, 22.645,
335.998

■ 22, 45.244,
340.699

■ 35, 16.550,
335.271

■ 21, 47.015,
341.997

■ 37, 10.374,
334.581

■ 21, 47.578,
342.382

■ 40, 4.222, 333.906

■ 43, 1.839, 153.449

■ 46, 7.766, 152.784

■ 49, 13.539,
152.222

■ 53, 19.145,
151.696

Harmonies

Complementary

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



27, 33.949, 337.601



38, 33.852, 148.409

Rectangle

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



27, 33.949, 337.601



27, 33.949, 27.601



27, 33.949, 157.601



27, 33.949, 207.601

Sweetspot

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



27, 33.947, 337.601



48, 12.914, 334.619



22, 38.322, 304.969



24, 8.711, 334.709



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



27, 33.947, 337.601



33, 48.185, 338.808



26, 27.506, 8.418



20, 3.474, 334.043



24, 52.248, 342.675



54, 89.624, 343.835

Inverse Universe

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



27, 33.947, 337.601



33, 48.185, 338.808



38, 22.383, 175.150



20, 3.474, 334.043



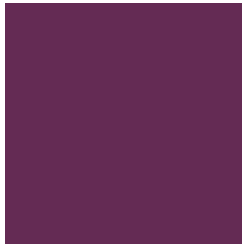
24, 52.248, 342.675



54, 89.624, 343.835

Previews

White Background



This preview shows how the CIELCh color 27, 33.949, 337.601 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 27, 33.949, 337.601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

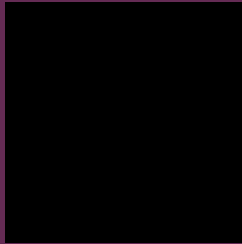
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 33.949, 337.601

Background



This preview shows how black text looks on a background with the CIELCh color 27, 33.949, 337.601.



This preview shows how white text looks on a background with the CIELCh color 27, 33.949, 337.601.

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

27, 33.949, 337.601

Protanopia

27, 24.196, 285.218

Deuteranopia

27, 11.719, 292.461



Tritanopia
27, 22.730, 17.898

Trichromacy



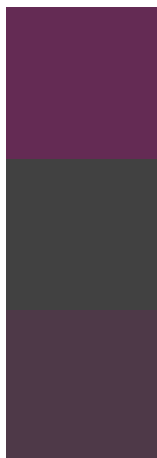
Original Color
27, 33.949, 337.601

Protanomaly
26, 25.390, 305.828

Deuteranomaly
27, 18.893, 319.139

Tritanomaly
27, 25.327, 358.561

Monochromacy



Original Color
27, 33.949, 337.601

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 13.407, 335.409

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 33.949, 337.601 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, 43, 84)` looks like.

```
.text, #text, p{  
    color:rgb(100, 43, 84)  
}
```

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, 43, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 43, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 33.949, 337.601 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, 43, 84) }
```

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

```
.border{ border-color:rgb(100, 43, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 43, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 43, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 43, 84);  
box-shadow:4px 4px 4px 4px rgb(100, 43,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 33.949, 337.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 43, 84) }
```

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

```
.background{ background-color: rgb(100, 43,  
84) }
```

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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