

Converting Colors

CIELCh(27, 67.606, 300.644)

Have a look what the booklet for
CIELCh(27, 67.606, 300.644)
contains.

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Color

CIELCh(27, 67.488, 300.573)

Conversions

Conversions Part 1

Format	Color
Hex	2D319B
RGB	45, 49, 155
RGB Percent	18%, 19%, 61%
CMY	0.8246, 0.8085, 0.3930
CMYK	0.71, 0.68, 0.00, 0.39
HSL	238°, 55%, 39%
HSV	238°, 71%, 61%
XYZ	8.0603, 5.0937, 31.4772
YIQ	59.8880, -36.4100, 32.1180

Conversions

Conversions Part 2

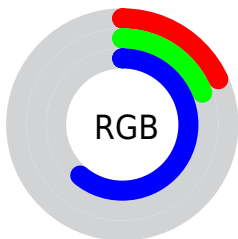
Format	Color
R_{YB}	45, 49, 155
Decimal	2961819
CIE _{Lab}	27.00, 34.33, -58.11
CIE _{LCh}	27, 67.488, 300.573
Yxy	5.0937, 0.1806, 0.1141
Android (android.graphics.Color)	4281151899 (0xFF2D319B)
YUV	59.8880, 46.8902, -13.0568
Hunter-Lab	22.5692, 24.2529, -66.8934

Details

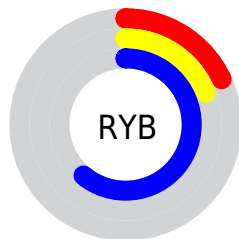
The CIELCh color **27, 67.488, 300.573** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **61, 54.609, 102.048**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 67.066, 300.424**, and **10, 64.397, 304.455** is the 20% darker color. If you saturate the color by 10%, you get **23, 77.247, 302.795**, and if you desaturate by 10%, it is **32, 57.180, 298.285**.

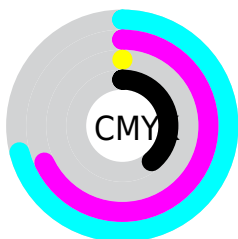
Distribution



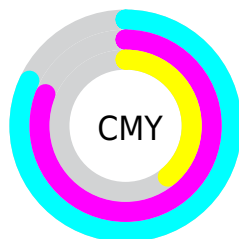
- Red (18%)
- Green (19%)
- Blue (61%)



- Red (18%)
- Yellow (19%)
- Blue (61%)



- Cyan (71%)
- Magenta (68%)
- Yellow (0%)
- Black (39%)



- Cyan (82%)
- Magenta (81%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 67.488, 300.573 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, 67.488, 300.573 by changing the saturation by 10% instead.

■ 27, 67.488,
300.573

■ 27, 67.488,
300.573

■ 100, 67.488,
300.573

■ 17, 67.488,
300.573

■ 47, 67.488,
300.573

■ 7, 67.488, 300.573

■ 57, 67.488,
300.573

■ 0, 67.488, 300.573

■ 67, 67.488,
300.573

■ 77, 67.488,
300.573

■ 87, 67.488,
300.573

■ 97, 67.488,

300.573

■ 27, 67.488,
300.573

■ 27, 67.488,
300.573

■ 23, 77.247,
302.795

■ 32, 57.180,
298.285

■ 20, 85.351,
304.651

■ 37, 46.929,
296.124

■ 18, 90.337,
305.733

■ 42, 36.984,
294.187

■ 47, 27.420,
292.500

■ 53, 18.238,
291.053

■ 58, 9.415, 289.821

■ 63, 0.924, 288.831

■ 69, 7.258, 107.852

■ 74, 15.155,
107.086

Harmonies

Complementary

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



27, 67.488, 300.573



61, 54.609, 102.048

Rectangle

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



27, 67.488, 300.573



27, 67.488, 350.573



27, 67.488, 120.573



27, 67.488, 170.573

Sweetspot

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



27, 67.488, 300.574



67, 22.509, 291.095



58, 31.908, 190.882



34, 15.433, 291.445



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



27, 67.488, 300.574



29, 99.739, 303.894



31, 68.371, 311.078



30, 4.731, 289.610



16, 83.848, 305.664



0, 5.038, 288.681

Inverse Universe

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



36, 51.645, 27.842



44, 76.313, 33.593



59, 60.529, 124.502



30, 3.440, 16.879



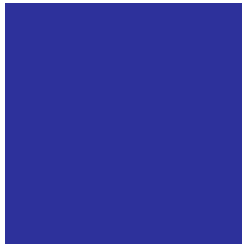
28, 64.874, 37.561



1, 3.603, 16.360

Previews

White Background



This preview shows how the CIELCh color 27, 67.488, 300.573 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, 67.488, 300.573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

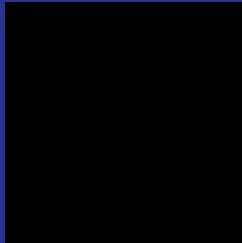
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 67.488, 300.573

Background



This preview shows how black text looks on a background with the CIELCh color 27, 67.488, 300.573.



This preview shows how white text looks on a background with the CIELCh color 27, 67.488, 300.573.

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, 67.488, 300.573

Deuteranopia
27, 31.111, 270.547

Tritanopia
27, 19.313, 206.448

Trichromacy



Original Color
27, 67.488, 300.573

Deuteranomaly
26, 43.836, 286.721

Tritanomaly
26, 28.940, 272.335

Monochromacy



Original Color
27, 67.488, 300.573

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 25.025, 293.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 67.488, 300.573 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(45, 49, 155)` looks like.

```
.text, #text, p{  
    color:rgb(45, 49, 155)  
}
```

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(45, 49, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 49, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 67.488, 300.573 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(45, 49, 155) }
```

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

```
.border{ border-color:rgb(45, 49, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 49, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 49, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 49, 155);  
box-shadow:4px 4px 4px 4px rgb(45, 49,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 67.488, 300.573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 49, 155) }
```

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

```
.background{ background-color: rgb(45, 49,  
155) }
```

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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