

Converting Colors

CIELCh(27, 53.223, 312.199)

Have a look what the booklet for
CIELCh(27, 53.223, 312.199)
contains.

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Color

CIELCh(27, 53.274, 312.205)

Conversions

Conversions Part 1

Format	Color
Hex	542B7D
RGB	84, 43, 125
RGB Percent	33%, 17%, 49%
CMY	0.6706, 0.8314, 0.5098
CMYK	0.33, 0.66, 0.00, 0.51
HSL	270°, 49%, 33%
HSV	270°, 66%, 49%
XYZ	8.2223, 5.0937, 19.9531
YIQ	64.6070, -1.8860, 34.1940

Conversions

Conversions Part 2

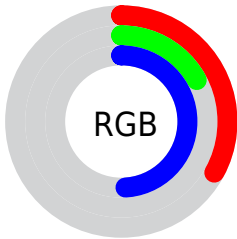
Format	Color
RYB	84, 43, 125
Decimal	5516157
CIELab	27.00, 35.79, -39.46
CIElCh	27, 53.274, 312.205
Yxy	5.0937, 0.2471, 0.1531
Android (android.graphics.Color)	4283706237 (0xFF542B7D)
YUV	64.6070, 29.7737, 17.0077
Hunter-Lab	22.5692, 25.5341, -36.6190

Details

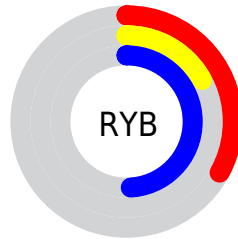
The CIELCh color **27, 53.274, 312.205** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **48, 48.435, 126.371**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 53.235, 312.410**, and **8, 51.556, 311.702** is the 20% darker color. If you saturate the color by 10%, you get **24, 60.567, 312.497**, and if you desaturate by 10%, it is **31, 45.303, 311.774**.

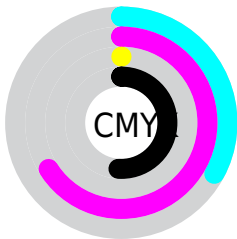
Distribution



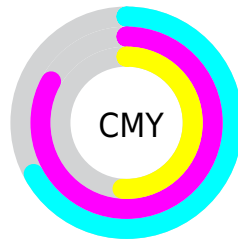
- Red (33%)
- Green (17%)
- Blue (49%)



- Red (33%)
- Yellow (17%)
- Blue (49%)



- Cyan (33%)
- Magenta (66%)
- Yellow (0%)
- Black (51%)





- Cyan (67%)
- Magenta (83%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 53.274, 312.205 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, 53.274, 312.205 by changing the saturation by 10% instead.

 27, 53.274,
312.205


 27, 53.274,
312.205

 100, 53.274,
312.205


 17, 53.274,
312.205


 47, 53.274,
312.205


 7, 53.274, 312.205

 57, 53.274,
312.205

 0, 53.274, 312.205

 67, 53.274,
312.205

 77, 53.274,
312.205

 87, 53.274,
312.205

 97, 53.274,

312.205

■ 27, 53.274,
312.205

■ 27, 53.274,
312.205

■ 24, 60.567,
312.497

■ 31, 45.303,
311.774

■ 21, 66.695,
312.557

■ 34, 37.019,
311.274

■ 19, 71.311,
312.332

■ 38, 28.664,
310.752

■ 18, 73.330,
312.275

■ 42, 20.384,
310.237

■ 46, 12.263,
309.748

■ 50, 4.343, 309.285

■ 54, 3.354, 128.919

■ 58, 10.823,
128.532

■ 62, 18.067,
128.201

Harmonies

Complementary

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



27, 53.274, 312.205



48, 48.435, 126.371

Rectangle

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



27, 53.274, 312.205



27, 53.274, 2.205



27, 53.274, 132.205



27, 53.274, 182.205

Sweetspot

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



27, 53.273, 312.205



57, 19.681, 309.983



35, 27.449, 268.964



28, 13.399, 310.096



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



27, 53.273, 312.205



31, 77.720, 312.564



33, 54.833, 327.547



25, 4.464, 309.446



18, 74.397, 312.252



0, 0.000, 0.000

Inverse Universe

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



31, 40.194, 351.223



38, 56.178, 354.586



46, 55.530, 138.894



25, 3.593, 344.329



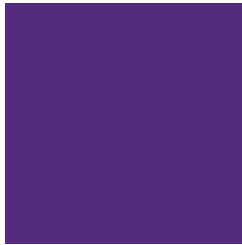
26, 50.837, 0.548



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 27, 53.274, 312.205 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 27, 53.274, 312.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

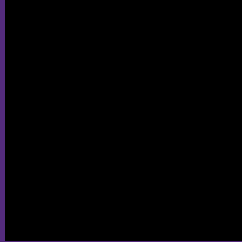
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 53.274, 312.205

Background



This preview shows how black text looks on a background with the CIELCh color 27, 53.274, 312.205.



This preview shows how white text looks on a background with the CIELCh color 27, 53.274, 312.205.

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, 53.274, 312.205

Protanopia

27, 45.709, 285.580

Deuteranopia

27, 33.306, 273.518



Tritanopia
27, 6.321, 349.727

Trichromacy



Original Color
27, 53.274, 312.205

Protanomaly
26, 48.229, 292.735

Deuteranomaly
26, 39.992, 288.242

Tritanomaly
26, 23.426, 317.128

Monochromacy



Original Color
27, 53.274, 312.205

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 20.545, 310.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 53.274, 312.205 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(84, 43, 125)` looks like.

```
.text, #text, p{  
    color:rgb(84, 43, 125)  
}
```

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(84, 43, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 43, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 53.274, 312.205 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(84, 43, 125) }
```

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

```
.border{ border-color:rgb(84, 43, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 43, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 43, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 43, 125);  
box-shadow:4px 4px 4px 4px rgb(84, 43,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 53.274, 312.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 43, 125) }
```

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

```
.background{ background-color: rgb(84, 43,  
125) }
```

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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