

Converting Colors

CIELCh(28, 43.360, 310.408)

Have a look what the booklet for
CIELCh(28, 43.360, 310.408)
contains.

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Color

CIELCh(28, 43.431, 310.431)

Conversions

Conversions Part 1

Format	Color
Hex	513375
RGB	81, 51, 117
RGB Percent	32%, 20%, 46%
CMY	0.6809, 0.7986, 0.5397
CMYK	0.31, 0.56, 0.00, 0.54
HSL	267°, 39%, 33%
HSV	267°, 56%, 46%
XYZ	7.8583, 5.4574, 17.5876
YIQ	67.4940, -3.3060, 26.8860

Conversions

Conversions Part 2

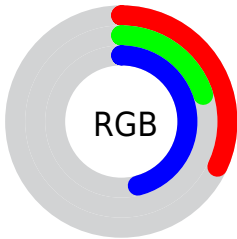
Format	Color
R_{YB}	81, 51, 117
Decimal	5321589
CIE _{Lab}	28.00, 28.17, -33.06
CIE _{LCh}	28, 43.431, 310.431
Yxy	5.4574, 0.2543, 0.1766
Android (android.graphics.Color)	4283511669 (0xFF513375)
YUV	67.4940, 24.4065, 11.8448
Hunter-Lab	23.3610, 19.1632, -28.2845

Details

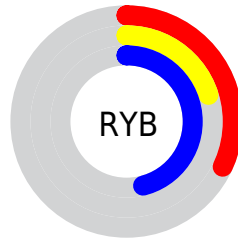
The CIELCh color **28, 43.431, 310.431** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **46, 39.704, 124.985**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 43.414, 310.460**, and **8, 43.245, 310.448** is the 20% darker color. If you saturate the color by 10%, you get **25, 51.095, 310.935**, and if you desaturate by 10%, it is **32, 35.516, 309.869**.

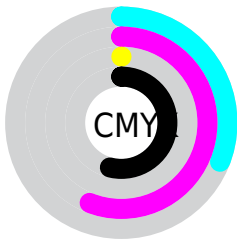
Distribution



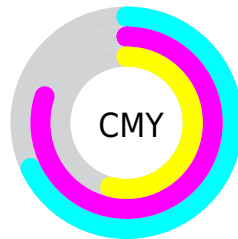
- Red (32%)
- Green (20%)
- Blue (46%)



- Red (32%)
- Yellow (20%)
- Blue (46%)



- Cyan (31%)
- Magenta (56%)
- Yellow (0%)
- Black (54%)





- Cyan (68%)
- Magenta (80%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 43.431, 310.431 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 28, 43.431, 310.431 by changing the saturation by 10% instead.

 28, 43.431,
310.431


 28, 43.431,
310.431

 100, 43.431,
310.431


 18, 43.431,
310.431


 48, 43.431,
310.431


 8, 43.431, 310.431

 58, 43.431,
310.431

 0, 43.431, 310.431

 68, 43.431,
310.431

 78, 43.431,
310.431

 88, 43.431,
310.431

 98, 43.431,

310.431

■ 28, 43.431,
310.431

■ 28, 43.431,
310.431

■ 25, 51.095,
310.935

■ 32, 35.516,
309.869

■ 21, 58.166,
311.307

■ 35, 27.571,
309.295

■ 19, 64.169,
311.450

■ 39, 19.725,
308.740

■ 17, 68.874,
311.343

■ 43, 12.047,
308.219

■ 16, 70.707,
311.365

■ 47, 4.573, 307.733

■ 51, 2.682, 127.345

■ 55, 9.718, 126.942

■ 59, 16.538,
126.599

■ 62, 23.149,
126.299

Harmonies

Complementary

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



28, 43.431, 310.431



46, 39.704, 124.985

Rectangle

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



28, 43.431, 310.431



28, 43.431, 0.431



28, 43.431, 130.431



28, 43.431, 180.431

Sweetspot

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



28, 43.430, 310.431



55, 15.676, 308.278



36, 21.184, 260.056



27, 10.444, 308.354



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



28, 43.430, 310.431



32, 64.985, 311.084



32, 45.695, 325.667



23, 4.126, 307.866



17, 72.894, 311.316



39, 124.350, 310.711

Inverse Universe

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



32, 34.370, 346.814



38, 49.554, 348.923



44, 45.779, 138.997



23, 3.455, 341.931



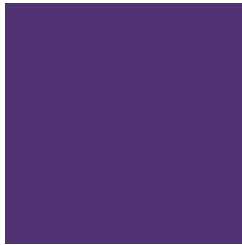
25, 49.991, 356.339



54, 84.124, 358.559

Previews

White Background



This preview shows how the CIE LCh color 28, 43.431, 310.431 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 28, 43.431, 310.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

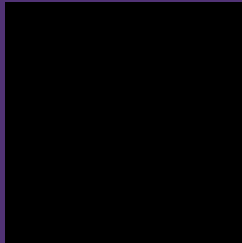
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 43.431, 310.431

Background



This preview shows how black text looks on a background with the CIELCh color 28, 43.431, 310.431.



This preview shows how white text looks on a background with the CIELCh color 28, 43.431, 310.431.

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


28, 43.431, 310.431

Protanopia

28, 43.411, 286.590

Deuteranopia

28, 31.221, 277.579



Tritanopia
28, 4.825, 338.181

Trichromacy



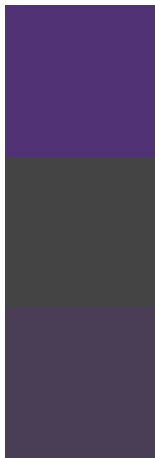
Original Color
28, 43.431, 310.431

Protanomaly
27, 43.295, 293.417

Deuteranomaly
27, 35.010, 290.836

Tritanomaly
28, 19.359, 312.855

Monochromacy



Original Color
28, 43.431, 310.431

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 16.242, 308.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 43.431, 310.431 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(81, 51, 117)` looks like.

```
.text, #text, p{  
    color:rgb(81, 51, 117)  
}
```

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(81, 51, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 51, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 43.431, 310.431 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(81, 51, 117) }
```

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

```
.border{ border-color:rgb(81, 51, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 51, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 51, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 51, 117);  
box-shadow:4px 4px 4px 4px rgb(81, 51,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 43.431, 310.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 51, 117) }
```

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

```
.background{ background-color: rgb(81, 51,  
117) }
```

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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