

Converting Colors

CIELCh(28, 53.078, 311.004)

Have a look what the booklet for
CIELCh(28, 53.078, 311.004)
contains.

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Color

CIELCh(28, 53.643, 310.961)

Conversions

Conversions Part 1

Format	Color
Hex	542E81
RGB	84, 46, 129
RGB Percent	33%, 18%, 51%
CMY	0.6697, 0.8188, 0.4932
CMYK	0.35, 0.64, 0.00, 0.49
HSL	267°, 47%, 34%
HSV	267°, 64%, 51%
XYZ	8.6405, 5.4574, 21.4488
YIQ	66.8240, -3.9950, 33.8690

Conversions

Conversions Part 2

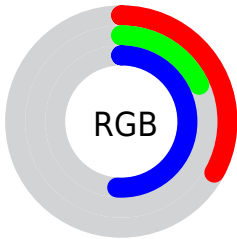
Format	Color
R_{YB}	84, 46, 129
Decimal	5516929
CIE _{Lab}	28.00, 35.17, -40.51
CIE _{LCh}	28, 53.643, 310.961
Yxy	5.4574, 0.2431, 0.1535
Android (android.graphics.Color)	4283707009 (0xFF542E81)
YUV	66.8240, 30.6528, 15.0634
Hunter-Lab	23.3610, 25.1393, -38.0841

Details

The CIELCh color **28, 53.643, 310.961** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **50, 48.308, 124.876**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 53.963, 310.990**, and **8, 53.856, 310.950** is the 20% darker color. If you saturate the color by 10%, you get **25, 61.395, 311.354**, and if you desaturate by 10%, it is **32, 45.298, 310.446**.

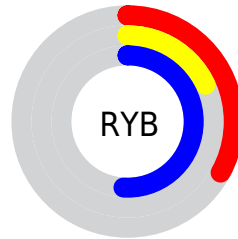
Distribution



Red (33%)

Green (18%)

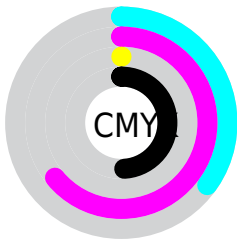
Blue (51%)



Red (33%)

Yellow (18%)

Blue (51%)

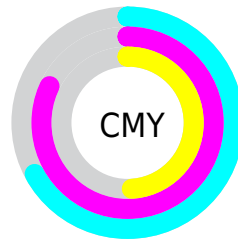


Cyan (35%)

Magenta (64%)

Yellow (0%)

Black (49%)



Cyan (67%)


Magenta (82%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 53.643, 310.961 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, 53.643, 310.961 by changing the saturation by 10% instead.

 28, 53.643,
310.961


 28, 53.643,
310.961

 100, 53.643,
310.961


 18, 53.643,
310.961


 48, 53.643,
310.961


 8, 53.643, 310.961

 58, 53.643,
310.961

 0, 53.643, 310.961

 68, 53.643,
310.961

 78, 53.643,
310.961

 88, 53.643,
310.961

 98, 53.643,

310.961

■ 28, 53.643,
310.961

■ 28, 53.643,
310.961

■ 25, 61.395,
311.354

■ 32, 45.298,
310.446

■ 22, 68.049,
311.525

■ 36, 36.721,
309.879

■ 19, 73.074,
311.378

■ 40, 28.134,
309.306

■ 18, 75.798,
311.321

■ 44, 19.669,
308.753

■ 48, 11.396,
308.236

■ 52, 3.348, 307.750

■ 56, 4.460, 127.367

■ 61, 12.029,
126.979

■ 65, 19.363,
126.644

Harmonies

Complementary

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



28, 53.643, 310.961



50, 48.308, 124.876

Rectangle

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



28, 53.643, 310.961



28, 53.643, 0.961



28, 53.643, 130.961



28, 53.643, 180.961

Sweetspot

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



28, 53.642, 310.961



59, 19.005, 308.500



37, 25.815, 262.685



29, 13.063, 308.626



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



28, 53.642, 310.961



32, 78.336, 311.466



34, 55.099, 325.943



25, 4.428, 307.984



18, 75.051, 311.336



0, 0.000, 0.000

Inverse Universe

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



33, 41.437, 348.303



39, 57.739, 351.078



48, 55.430, 138.178



25, 3.698, 342.107



27, 51.396, 356.783



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 28, 53.643, 310.961 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, 53.643, 310.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

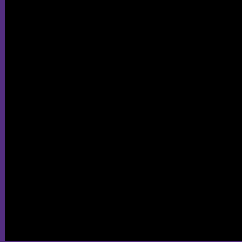
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 53.643, 310.961

Background



This preview shows how black text looks on a background with the CIELCh color 28, 53.643, 310.961.



This preview shows how white text looks on a background with the CIELCh color 28, 53.643, 310.961.

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, 53.643, 310.961

Protanopia

28, 46.763, 285.635

Deuteranopia

28, 34.401, 274.037



Tritanopia
28, 4.825, 338.181

Trichromacy



Original Color
28, 53.643, 310.961

Protanomaly
27, 49.197, 292.140

Deuteranomaly
27, 41.096, 288.041

Tritanomaly
28, 22.623, 312.202

Monochromacy



Original Color
28, 53.643, 310.961

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 20.963, 309.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 53.643, 310.961 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, 46, 129)` looks like.

```
.text, #text, p{  
    color:rgb(84, 46, 129)  
}
```

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, 46, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 46, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 53.643, 310.961 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, 46, 129) }
```

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

```
.border{ border-color:rgb(84, 46, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 46, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 46, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 46, 129);  
box-shadow:4px 4px 4px 4px rgb(84, 46,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 53.643, 310.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 46, 129) }
```

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

```
.background{ background-color: rgb(84, 46,  
129) }
```

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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