

Converting Colors

CIELCh(28, 56.497, 343.912)

Have a look what the booklet for
CIELCh(28, 56.497, 343.912)
contains.

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Color

CIELCh(28, 56.309, 344.251)

Conversions

Conversions Part 1

Format	Color
Hex	82005B
RGB	130, 0, 91
RGB Percent	51%, 0%, 36%
CMY	0.4915, 1.0000, 0.6442
CMYK	0.00, 1.00, 0.30, 0.49
HSL	318°, 100%, 25%
HSV	318°, 100%, 51%
XYZ	11.0255, 5.4574, 10.3057
YIQ	49.2440, 48.2690, 55.8610

Conversions

Conversions Part 2

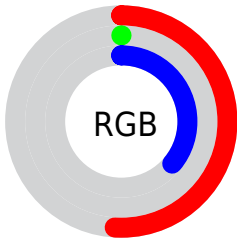
Format	Color
R_{YB}	130, 0, 91
Decimal	8519771
CIE Lab	28.00, 54.20, -15.28
CIE LCh	28, 56.309, 344.251
Yxy	5.4574, 0.4116, 0.2037
Android (android.graphics.Color)	4286709851 (0xFF82005B)
YUV	49.2440, 20.5857, 70.8230
Hunter-Lab	23.3610, 43.3633, -9.8030

Details

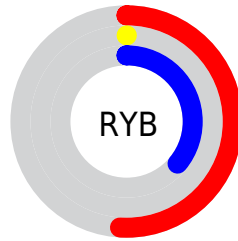
The CIELCh color **28, 56.309, 344.251** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **47, 63.259, 141.798**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 56.472, 344.434**, and **14, 36.740, 349.752** is the 20% darker color. If you saturate the color by 10%, you get **28, 56.195, 344.276**, and if you desaturate by 10%, it is **29, 54.857, 342.666**.

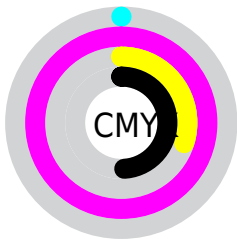
Distribution



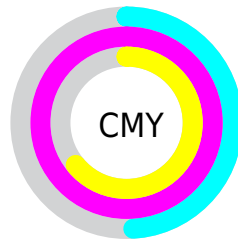
- Red (51%)
- Green (0%)
- Blue (36%)



- Red (51%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (49%)





- Cyan (49%)
- Magenta (100%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 56.309, 344.251 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, 56.309, 344.251 by changing the saturation by 10% instead.

 28, 56.309,
344.251


 28, 56.309,
344.251

 100, 56.309,
344.251


 18, 56.309,
344.251


 48, 56.309,
344.251


 8, 56.309, 344.251

 58, 56.309,
344.251

 0, 56.309, 344.251

 68, 56.309,
344.251

 78, 56.309,
344.251

 88, 56.309,
344.251

 98, 56.309,

344.251

■ 28, 56.309,
344.251

■ 28, 56.309,
344.251

■ 28, 56.195,
344.276

■ 29, 54.857,
342.666

■ 30, 52.433,
341.234

■ 32, 48.446,
340.023

■ 34, 43.133,
338.970

■ 37, 36.823,
338.032

■ 40, 29.848,
337.176

■ 43, 22.490,
336.383

■ 47, 14.970,
335.638

■ 51, 7.440, 334.927

Harmonies

Complementary

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



28, 56.309, 344.251



47, 63.259, 141.798

Rectangle

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



28, 56.309, 344.251



28, 56.309, 34.251



28, 56.309, 164.251



28, 56.309, 214.251

Sweetspot

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



28, 56.195, 344.276



56, 27.830, 336.436



16, 78.352, 308.601



27, 18.880, 336.709



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, 56.195, 344.276



37, 67.692, 344.764



26, 55.437, 27.653



25, 4.133, 334.862



28, 55.531, 344.240



0, 0.000, 0.000

Inverse Universe

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



28, 56.195, 344.276



37, 67.692, 344.764



48, 37.368, 171.439



25, 4.133, 334.862



28, 55.531, 344.240



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 28, 56.309, 344.251 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, 56.309, 344.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

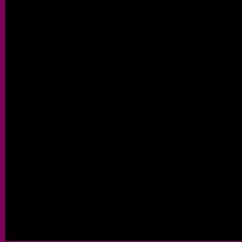
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 56.309, 344.251

Background



This preview shows how black text looks on a background with the CIELCh color 28, 56.309, 344.251.



This preview shows how white text looks on a background with the CIELCh color 28, 56.309, 344.251.

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, 56.309, 344.251

Protanopia
30, 39.252, 285.820

Deuteranopia
30, 10.948, 294.320



Tritanopia
29, 44.382, 29.274

Trichromacy



Original Color
28, 56.309, 344.251

Protanomaly
25, 47.502, 308.893

Deuteranomaly
26, 33.520, 329.546

Tritanomaly
28, 45.760, 8.867

Monochromacy



Original Color
28, 56.309, 344.251

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 28.808, 338.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 56.309, 344.251 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(130, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(130, 0, 91)  
}
```

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(130, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 0, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 56.309, 344.251 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(130, 0, 91) }
```

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

```
.border{ border-color:rgb(130, 0, 91) }
```

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

Here you see how a box with a 4 pixel rgb(130, 0, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(130, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 56.309, 344.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 0, 91) }
```

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

```
.background{ background-color: rgb(130, 0,  
91) }
```

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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