

Converting Colors

XYZ(28.2483, 13.3375, 83.9322)

Have a look what the booklet for
XYZ(28.2483, 13.3375, 83.9322)
contains.

XYZ(28.3251, 13.3844, 84.3096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.3251, 13.3844,
84.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	931CF1
RGB	147, 28, 241
RGB Percent	58%, 11%, 95%
CMY	0.4235, 0.8902, 0.0549
CMYK	0.39, 0.88, 0.00, 0.05
HSL	274°, 88%, 53%
HSV	274°, 88%, 95%
XYZ	28.3251, 13.3844, 84.3096
YIQ	87.8630, 2.5510, 91.4710

Conversions

Conversions Part 2

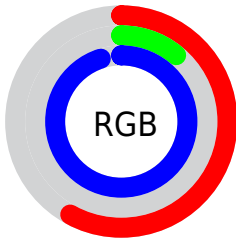
Format	Color
R_{YB}	147, 28, 241
Decimal	9641201
CIE _{Lab}	43.34, 78.21, -81.35
CIE _{LCh}	43, 112.850, 313.874
Yxy	13.3844, 0.2248, 0.1062
Android (android.graphics.Color)	4287831281 (0xFF931CF1)
YUV	87.8630, 75.4965, 51.8631
Hunter-Lab	36.5847, 74.1775, -111.0248

Details

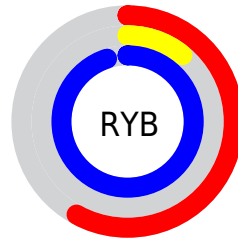
The XYZ color **28.3251, 13.3844, 84.3096** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **39.6902, 67.1318, 11.9643**, and the grayscale version is **9.0871, 9.5603, 10.4112**.

A 20% lighter version of the original color is **48.0651, 28.6353, 97.6016**, and **12.2034, 5.3037, 45.1803** is the 20% darker color. If you saturate the color by 10%, you get **26.1330, 11.7008, 84.1005**, and if you desaturate by 10%, it is **31.1394, 16.0483, 84.6758**.

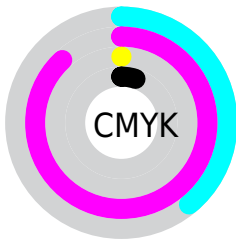
Distribution



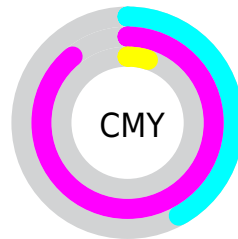
- Red (58%)
- Green (11%)
- Blue (95%)



- Red (58%)
- Yellow (11%)
- Blue (95%)



- Cyan (39%)
- Magenta (88%)
- Yellow (0%)
- Black (5%)





- Cyan (42%)
- Magenta (89%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3251, 13.3844, 84.3096 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 XYZ color 28.3251, 13.3844, 84.3096 by changing the saturation by 10% instead.

 28.3251, 13.3844,
84.3096


 28.3251, 13.3844,
84.3096


286.0691,
213.3668, 529.4257


 18.7126, 7.6938,
62.7242


 56.4081, 31.9927,
141.2738


 11.5655, 3.8996,
45.1786


 75.6093, 45.6791,
177.4896


 6.5187, 1.6176,
31.2541


 98.7373, 62.7996,
219.4194

 3.2066, 0.3694,
20.5324

 126.1577, 83.7385,
267.4816

 1.2639, 0.0000,
12.5947

 158.2357,
108.8803, 322.0948

 0.1560, 0.0000,
7.0226

 195.3367,

 0.0000, 0.0000,

138.6094, 383.6775

3.3976

237.8261,
173.3100, 452.6483

■ 0.0000, 0.0000,
1.3011

■ 0.0000, 0.0000,
0.0627

■ 28.3251, 13.3844,
84.3096

■ 28.3251, 13.3844,
84.3096

■ 26.1330, 11.7008,
84.1005

■ 31.1394, 16.0483,
84.6758

■ 25.8125, 11.4727,
84.0734

■ 34.6824, 19.9022,
85.2329

■ 39.0327, 25.0956,
86.0061

■ 44.2567, 31.7549,
87.0161

■ 50.4131, 39.9916,
88.2815

■ 57.5550, 49.9059,
89.8187

■ 65.7313, 61.5896,
91.6429

■ 74.9870, 75.1277,
93.7682

■ 85.3648, 90.5995,
96.2076

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.2015, 13.3844, 129.4293



28.3251, 13.3844, 84.3096



36.7237, 13.3844, 32.4916

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.3251, 13.3844, 84.3096



17.9953, 13.3844, 0.0000



2.3764, 13.3844, 29.4656

Complementary

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



28.3251, 13.3844, 84.3096



39.6902, 67.1318, 11.9643

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



2.4328, 13.3844, 4.8631



28.3251, 13.3844, 84.3096



9.0958, 13.3844, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.3251, 13.3844, 84.3096



29.1307, 13.3844, 0.0000



4.2558, 13.3844, 0.0000



4.0342, 13.3844, 80.0630

Rectangle

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



28.3251, 13.3844, 84.3096



38.0037, 13.3844, 11.5520



4.2558, 13.3844, 0.0000



2.2314, 13.3844, 18.0803

Sweetspot

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



28.3259, 13.3848, 84.3100



66.5726, 58.3471, 102.3611



23.5449, 20.9753, 86.0271



13.6152, 11.5960, 21.7706



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.3259, 13.3848, 84.3100



29.2863, 13.0125, 95.5759



51.0231, 25.2641, 77.3083



15.7421, 15.6642, 19.9154



14.1552, 6.3027, 45.5983



1.2917, 0.5832, 3.7987

Inverse Universe

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



40.2035, 20.9363, 20.3326



44.1942, 22.4417, 17.4865



32.2947, 63.3018, 12.4054



16.0626, 15.8747, 17.8858



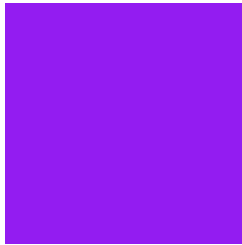
21.1575, 10.7354, 8.7457



1.8093, 0.9128, 0.9868

Previews

White Background



This preview shows how the XYZ color 28.3251, 13.3844, 84.3096 looks on a white background.

Color Contrast Check

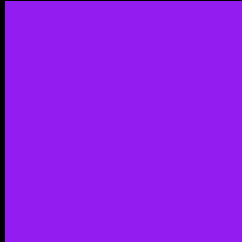
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.3251, 13.3844, 84.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

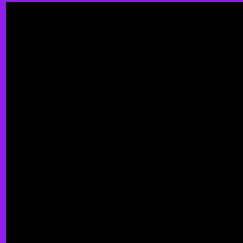
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.3251, 13.3844, 84.3096

Background



This preview shows how black text looks on a background with the XYZ color 28.3251, 13.3844, 84.3096.



This preview shows how white text looks on a background with the XYZ color 28.3251, 13.3844,

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

28.3251, 13.3844, 84.3096

Protanopia

15.9705, 13.5271, 62.0909

Deuteranopia

13.3923, 13.6034, 45.0999



Tritanopia

14.3811, 13.4708, 14.9389

Trichromacy



Original Color

28.3251, 13.3844, 84.3096



Protanomaly

16.9019, 10.7424, 69.5893



Deuteranomaly

14.8533, 10.4699, 57.1152



Tritanomaly

17.2034, 11.6350, 31.9109

Monochromacy



Original Color

28.3251, 13.3844, 84.3096



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

13.2889, 9.1613, 27.4535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3251, 13.3844, 84.3096 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(147, 28, 241)` looks like.

```
.text, #text, p{  
    color:rgb(147, 28, 241)  
}
```

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(147, 28, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 28, 241) }
```

Border

The CSS property to change the border of an element to XYZ 28.3251, 13.3844, 84.3096 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(147, 28, 241) }
```


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

```
.border{ border-color:rgb(147, 28, 241) }
```

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

Here you see how a box with a 4 pixel rgb(147, 28, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 28, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 28, 241);  
box-shadow:4px 4px 4px 4px rgb(147, 28,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3251, 13.3844, 84.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 28, 241) }
```

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

```
.background{ background-color: rgb(147, 28,  
241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor