

Converting Colors

XYZ(29.8861, 13.5483, 85.3678)

Have a look what the booklet for
XYZ(29.8861, 13.5483, 85.3678)
contains.

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Color

**XYZ(29.7373, 13.4787,
85.0387)**

Conversions

Conversions Part 1

Format	Color
Hex	9C00F2
RGB	156, 0, 242
RGB Percent	61%, 0%, 95%
CMY	0.3882, 1.0000, 0.0510
CMYK	0.36, 1.00, 0.00, 0.05
HSL	279°, 100%, 47%
HSV	279°, 100%, 95%
XYZ	29.7373, 13.4787, 85.0387
YIQ	74.2320, 15.2940, 108.3340

Conversions

Conversions Part 2

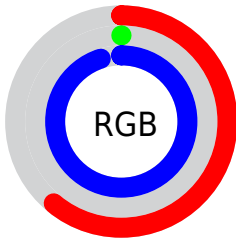
Format	Color
R_{YB}	156, 0, 242
Decimal	10223858
CIE _{Lab}	43.48, 83.07, -81.64
CIE _{LCh}	43, 116.474, 315.500
Yxy	13.4787, 0.2319, 0.1051
Android (android.graphics.Color)	4288413938 (0xFF9C00F2)
YUV	74.2320, 82.7096, 71.7105
Hunter-Lab	36.7133, 80.3341, -111.6334

Details

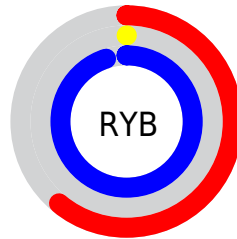
The XYZ color **29.7373, 13.4787, 85.0387** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **35.5897, 65.4828, 10.7637**, and the grayscale version is **6.4066, 6.7402, 7.3401**.

A 20% lighter version of the original color is **50.0735, 28.7881, 97.5252**, and **13.2678, 5.8404, 45.7754** is the 20% darker color. If you saturate the color by 10%, you get **29.7381, 13.4791, 85.0391**, and if you desaturate by 10%, it is **31.7925, 15.0292, 85.2300**.

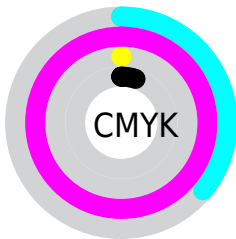
Distribution



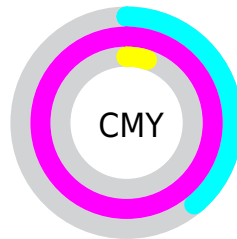
- Red (61%)
- Green (0%)
- Blue (95%)



- Red (61%)
- Yellow (0%)
- Blue (95%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (39%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7373, 13.4787, 85.0387 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 29.7373, 13.4787, 85.0387 by changing the saturation by 10% instead.

 29.7373, 13.4787,
85.0387

 29.7373, 13.4787,
85.0387


292.6099,
213.9632, 531.9040


 19.7864, 7.7590,
63.3230


 58.6360, 32.1612,
142.3019

 12.3472, 3.9411,
45.6599

 78.3144, 45.8927,
178.6865


 7.0545, 1.6407,
31.6308


 101.9661, 63.0636,
220.7978

 3.5428, 0.3848,
20.8172

 129.9563, 84.0584,
269.0544

 1.4469, 0.0000,
12.8005

 162.6504,
109.2613, 323.8747

 0.2893, 0.0000,
7.1622

 200.4138,

 0.0000, 0.0000,

139.0568, 385.6774

3.4838

243.6118,
173.8293, 454.8810

■ 0.0000, 0.0000,
1.3466

■ 0.0000, 0.0000,
0.0996

■ 29.7373, 13.4787,
85.0387

■ 29.7373, 13.4787,
85.0387

■ 29.7381, 13.4791,
85.0391

■ 31.7925, 15.0292,
85.2300

■ 34.3790, 17.4650,
85.5638

■ 37.6283, 21.0446,
86.0835

■ 41.6192, 25.9224,
86.8146

■ 46.4182, 32.2280,
87.7788

■ 52.0837, 40.0751,
88.9949

■ 58.6681, 49.5655,
90.4797

■ 66.2194, 60.7923,
92.2486

■ 74.7820, 73.8413,
94.3161

Harmonies

Analogous

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



18.0669, 13.4787, 134.8549



29.7373, 13.4787, 85.0387



38.2427, 13.4787, 31.0962

Triad

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



29.7373, 13.4787, 85.0387



17.6995, 13.4787, 0.0000



2.2763, 13.4787, 32.5067

Complementary

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



29.7373, 13.4787, 85.0387



35.5897, 65.4828, 10.7637

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.



2.2515, 13.4787, 5.3780



29.7373, 13.4787, 85.0387



8.6884, 13.4787, 0.0000

Square

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



29.7373, 13.4787, 85.0387



29.3614, 13.4787, 0.0000



3.9566, 13.4787, 0.0000



4.0558, 13.4787, 87.0437

Rectangle

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



29.7373, 13.4787, 85.0387



39.2378, 13.4787, 10.3860



3.9566, 13.4787, 0.0000



2.1055, 13.4787, 20.0094

Sweetspot

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



29.7381, 13.4791, 85.0391



66.0064, 55.7239, 101.8846



19.5773, 13.5113, 85.5808



13.4300, 10.9116, 21.6483



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.



29.7381, 13.4791, 85.0391



33.4392, 15.1534, 95.7702



48.2178, 23.5172, 62.7968



15.8776, 15.7341, 19.9218



16.1296, 7.3205, 45.6907



1.4496, 0.6645, 3.8061

Inverse Universe

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



38.2977, 19.5491, 10.5582



43.1118, 22.0087, 11.7868



32.0166, 63.6102, 11.9761



16.0048, 15.8516, 17.5816



20.6327, 10.5255, 5.9823



1.7622, 0.8939, 0.7385

Previews

White Background



This preview shows how the XYZ color 29.7373, 13.4787, 85.0387 looks on a white background.

Color Contrast Check

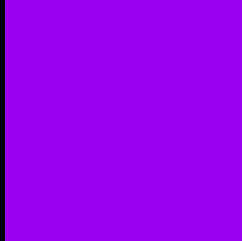
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7373, 13.4787, 85.0387 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 29.7373, 13.4787, 85.0387

Background



This preview shows how black text looks on a background with the XYZ color 29.7373, 13.4787, 85.0387.



This preview shows how white text looks on a background with the XYZ color 29.7373, 13.4787,

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

29.7373, 13.4787, 85.0387

Protanopia

16.5373, 14.0608, 64.1298

Deuteranopia

13.8049, 13.9343, 46.7617



Tritanopia

15.5437, 13.8109, 14.4169

Trichromacy



Original Color

29.7373, 13.4787, 85.0387



Protanomaly

16.8400, 9.8644, 70.8285



Deuteranomaly

14.6535, 9.3637, 58.1618



Tritanomaly

18.0131, 11.0206, 31.3148

Monochromacy



Original Color

29.7373, 13.4787, 85.0387



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

11.0986, 6.7254, 23.6348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7373, 13.4787, 85.0387 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(156, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 242)  
}
```

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(156, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 29.7373, 13.4787, 85.0387 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(156, 0, 242) }
```


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

```
.border{ border-color:rgb(156, 0, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 0, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7373, 13.4787, 85.0387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 242) }
```

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

```
.background{ background-color: rgb(156, 0,  
242) }
```

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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