

Converting Colors

XYZ(30.4658, 13.7142, 91.4017)

Have a look what the booklet for
XYZ(30.4658, 13.7142, 91.4017)
contains.

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Color

**XYZ(30.3922, 13.6744,
91.4801)**

Conversions

Conversions Part 1

Format	Color
Hex	9900FA
RGB	153, 0, 250
RGB Percent	60%, 0%, 98%
CMY	0.4000, 1.0000, 0.0196
CMYK	0.39, 1.00, 0.00, 0.02
HSL	277°, 100%, 49%
HSV	277°, 100%, 98%
XYZ	30.3922, 13.6744, 91.4801
YIQ	74.2470, 10.9380, 110.1860

Conversions

Conversions Part 2

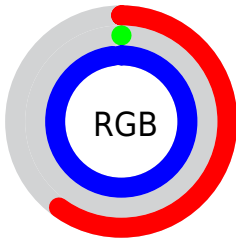
Format	Color
R_{YB}	153, 0, 250
Decimal	10027258
CIE _{Lab}	43.76, 84.31, -85.68
CIE _{LCh}	44, 120.209, 314.539
Yxy	13.6744, 0.2242, 0.1009
Android (android.graphics.Color)	4288217338 (0xFF9900FA)
YUV	74.2470, 86.6462, 69.0664
Hunter-Lab	36.9789, 81.9923, -120.7890

Details

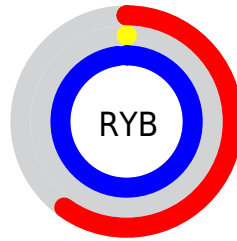
The XYZ color **30.3922, 13.6744, 91.4801** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **39.1151, 70.9127, 11.6259**, and the grayscale version is **6.4031, 6.7366, 7.3361**.

A 20% lighter version of the original color is **49.4825, 28.4835, 97.4976**, and **13.6343, 5.9296, 50.2951** is the 20% darker color. If you saturate the color by 10%, you get **30.3931, 13.6749, 91.4805**, and if you desaturate by 10%, it is **32.6467, 15.3527, 91.6856**.

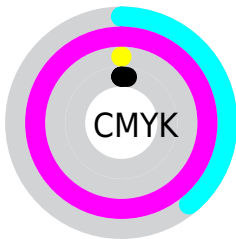
Distribution



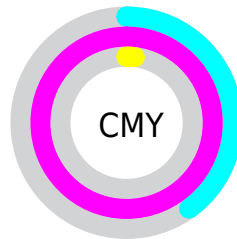
- Red (60%)
- Green (0%)
- Blue (98%)



- Red (60%)
- Yellow (0%)
- Blue (98%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (2%)





- Cyan (40%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3922, 13.6744, 91.4801 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 30.3922, 13.6744, 91.4801 by changing the saturation by 10% instead.


 30.3922, 13.6744,
91.4801


 30.3922, 13.6744,
91.4801


295.6055,
215.1957, 553.5277


 20.2860, 7.8946,
68.6283


 59.6642, 32.5102,
151.3461

 12.7126, 4.0276,
49.9392


 79.5608, 46.3349,
189.1973


 7.3066, 1.6890,
34.9942


 103.4516, 63.6100,
232.8853

 3.7026, 0.4165,
23.3749

 131.7019, 84.7200,
282.8288

 1.5353, 0.0000,
14.6627

 164.6770,
110.0491, 339.4463

 0.3497, 0.0000,
8.4390

 202.7425,

 0.0000, 0.0000,

139.9819, 403.1562

4.2853

246.2635,
174.9026, 474.3772

■ 0.0000, 0.0000,
1.7832

■ 0.0000, 0.0000,
0.4168

■ 30.3922, 13.6744,
91.4801

■ 30.3922, 13.6744,
91.4801

■ 30.3931, 13.6749,
91.4805

■ 32.6467, 15.3527,
91.6856

■ 35.4980, 17.9998,
92.0462

■ 39.0873, 21.8920,
92.6083

■ 43.5009, 27.1973,
93.3997

■ 48.8117, 34.0567,
94.4438

■ 55.0837, 42.5937,
95.7610

■ 62.3743, 52.9189,
97.3698

■ 70.7362, 65.1335,
99.2867

■ 80.2181, 79.3308,
101.5273

Harmonies

Analogous

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



18.1208, 13.6744, 143.7366



30.3922, 13.6744, 91.4801



39.6043, 13.6744, 33.5496

Triad

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



30.3922, 13.6744, 91.4801



18.4763, 13.6744, 0.0000



2.1423, 13.6744, 32.1758

Complementary

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



30.3922, 13.6744, 91.4801



39.1151, 70.9127, 11.6259

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.



2.1651, 13.6744, 4.8697



30.3922, 13.6744, 91.4801



8.9436, 13.6744, 0.0000

Square

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



30.3922, 13.6744, 91.4801



30.7586, 13.6744, 0.0000



3.9564, 13.6744, 0.0000



3.8634, 13.6744, 89.5043

Rectangle

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



30.3922, 13.6744, 91.4801



40.8819, 13.6744, 11.1344



3.9564, 13.6744, 0.0000



1.9881, 13.6744, 19.4052

Sweetspot

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



30.3931, 13.6749, 91.4805



65.2210, 55.3190, 101.8479



21.8126, 16.0165, 92.3847



13.2428, 10.8151, 21.6395



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.



30.3931, 13.6749, 91.4805



31.7727, 14.2943, 95.6922



53.0152, 25.7603, 73.4125



17.3029, 17.1688, 21.7872



16.2873, 7.3391, 48.5317



1.6271, 0.7409, 4.5004

Inverse Universe

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



41.5820, 21.1871, 13.2062



43.4891, 22.1596, 13.7734



34.3612, 68.4417, 12.3193



17.5234, 17.3367, 19.3459



22.1216, 11.2644, 7.3486



2.0990, 1.0633, 0.9449

Previews

White Background



This preview shows how the XYZ color 30.3922, 13.6744, 91.4801 looks on a white background.

Color Contrast Check

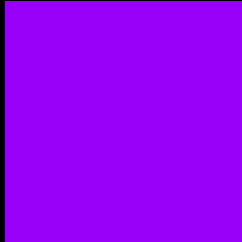
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3922, 13.6744, 91.4801 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 30.3922, 13.6744, 91.4801

Background



This preview shows how black text looks on a background with the XYZ color 30.3922, 13.6744, 91.4801.



This preview shows how white text looks on a background with the XYZ color 30.3922, 13.6744,

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

30.3922, 13.6744, 91.4801

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

13.9098, 14.1440, 46.7967



Tritanopia

15.0859, 13.9662, 15.2652

Trichromacy



Original Color

30.3922, 13.6744, 91.4801



Protanomaly

17.1917, 9.9985, 72.9753



Deuteranomaly

15.0215, 9.6020, 60.0931



Tritanomaly

17.7257, 10.9822, 33.5333

Monochromacy



Original Color

30.3922, 13.6744, 91.4801



Achromatopsia

6.5089, 6.8478, 7.4573



Achromatomaly

11.1975, 6.7516, 24.7578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3922, 13.6744, 91.4801 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(153, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 250)  
}
```

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(153, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.3922, 13.6744, 91.4801 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(153, 0, 250) }
```


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

```
.border{ border-color:rgb(153, 0, 250) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3922, 13.6744, 91.4801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 250) }
```

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

```
.background{ background-color: rgb(153, 0,  
250) }
```

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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