

Converting Colors

XYZ(30.0368, 14.7246, 86.8470)

Have a look what the booklet for
XYZ(30.0368, 14.7246, 86.8470)
contains.

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Color

**XYZ(30.0368, 14.7246,
86.8470)**

Conversions

Conversions Part 1

Format	Color
Hex	9828F4
RGB	152, 40, 244
RGB Percent	60%, 16%, 96%
CMY	0.4039, 0.8431, 0.0431
CMYK	0.38, 0.84, 0.00, 0.04
HSL	273°, 90%, 56%
HSV	273°, 84%, 96%
XYZ	30.0368, 14.7246, 86.8470
YIQ	96.7440, 1.2680, 87.1880

Conversions

Conversions Part 2

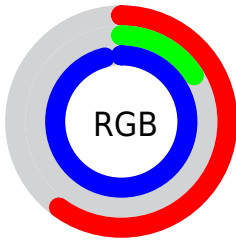
Format	Color
R _Y B	152, 40, 244
Decimal	9971956
CIE Lab	45.25, 76.54, -79.87
CIE LCh	45, 110.624, 313.782
Yxy	14.7246, 0.2282, 0.1119
Android (android.graphics.Color)	4288162036 (0xFF9828F4)
YUV	96.7440, 72.5972, 48.4595
Hunter-Lab	38.3726, 72.5716, -107.3274

Details

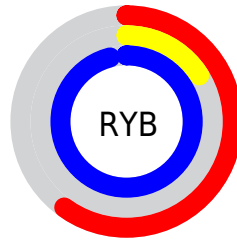
The XYZ color **30.0368, 14.7246, 86.8470** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **42.2490, 69.7601, 13.2458**, and the grayscale version is **11.1281, 11.7076, 12.7496**.

A 20% lighter version of the original color is **50.2419, 30.8689, 97.9180**, and **13.0794, 5.7188, 46.8689** is the 20% darker color. If you saturate the color by 10%, you get **27.4932, 12.5533, 86.5623**, and if you desaturate by 10%, it is **33.2910, 18.0311, 87.3140**.

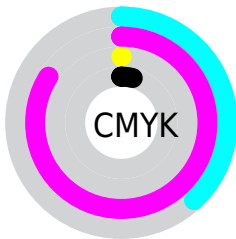
Distribution



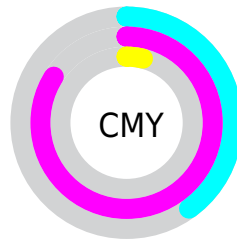
- Red (60%)
- Green (16%)
- Blue (96%)



- Red (60%)
- Yellow (16%)
- Blue (96%)



- Cyan (38%)
- Magenta (84%)
- Yellow (0%)
- Black (4%)





- Cyan (40%)
- Magenta (84%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0368, 14.7246, 86.8470 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 30.0368, 14.7246, 86.8470 by changing the saturation by 10% instead.


 30.0368, 14.7246,
86.8470

 30.0368, 14.7246,
86.8470


293.9827,
221.6932, 538.0231

 20.0147, 8.6263,
64.8097


 59.1066, 34.3693,
144.8479

 12.5141, 4.4983,
46.8564


 78.8850, 48.6846,
181.6485

 7.1695, 1.9560,
32.5686


 102.6463, 66.5076,
224.2073

 3.6156, 0.5817,
21.5278

 130.7558, 88.2228,
272.9428

 1.4870, 0.0000,
13.3154

 163.5788,
114.2145, 328.2737

 0.3170, 0.0000,
7.5128

 201.4807,

 0.0000, 0.0000,

144.8673, 390.6183

3.7015

244.8269,
180.5654, 460.3953

■ 0.0000, 0.0000,
1.4631

■ 0.0000, 0.0000,
0.1902

■ 30.0368, 14.7246,
86.8470

■ 30.0368, 14.7246,
86.8470

■ 27.4932, 12.5533,
86.5623

■ 33.2910, 18.0311,
87.3140

■ 26.1552, 11.5972,
86.4483

■ 37.3430, 22.6431,
87.9907

■ 42.2678, 28.7027,
88.9007

■ 48.1300, 36.3323,
90.0644

■ 54.9877, 45.6409,
91.4997

■ 62.8935, 56.7277,
93.2230

■ 71.8961, 69.6837,
95.2493

■ 82.0410, 84.5940,
97.5926

■ 91.8856, 98.5675,
99.7709

Harmonies

Analogous

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



18.6184, 14.7246, 131.6183



30.0368, 14.7246, 86.8470



38.5936, 14.7246, 34.6209

Triad

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



30.0368, 14.7246, 86.8470



19.5057, 14.7246, 0.0000



2.9196, 14.7246, 31.2791

Complementary

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



30.0368, 14.7246, 86.8470



42.2490, 69.7601, 13.2458

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.



2.9882, 14.7246, 5.6768



30.0368, 14.7246, 86.8470



10.2088, 14.7246, 0.0000

Square

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



30.0368, 14.7246, 86.8470



30.9251, 14.7246, 0.1036



5.0111, 14.7246, 0.0000



4.7492, 14.7246, 82.2600

Rectangle

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



30.0368, 14.7246, 86.8470



39.9095, 14.7246, 12.9336



5.0111, 14.7246, 0.0000



2.7580, 14.7246, 19.5909

Sweetspot

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



30.0376, 14.7251, 86.8474



68.1782, 60.8001, 102.7500



25.8962, 24.3667, 88.9267



13.9183, 12.0629, 21.8448



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.



30.0376, 14.7251, 86.8474



28.8660, 12.7959, 95.5562



53.3826, 26.8769, 82.6486



16.4509, 16.3751, 20.8362



14.3815, 6.3882, 47.0131



1.3823, 0.6225, 4.1375

Inverse Universe

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



42.2318, 22.4166, 23.9295



44.3342, 22.4977, 18.2241



33.7350, 65.3564, 13.5053



16.8098, 16.6068, 18.7450



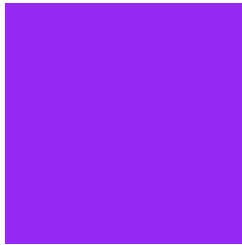
21.8843, 11.0972, 9.3651



1.9745, 0.9958, 1.0919

Previews

White Background



This preview shows how the XYZ color 30.0368, 14.7246, 86.8470 looks on a white background.

Color Contrast Check

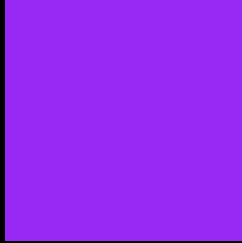
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0368, 14.7246, 86.8470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

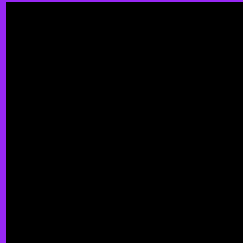
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.0368, 14.7246, 86.8470

Background



This preview shows how black text looks on a background with the XYZ color 30.0368, 14.7246, 86.8470.



This preview shows how white text looks on a background with the XYZ color 30.0368, 14.7246,

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

30.0368, 14.7246, 86.8470

Protanopia

17.6052, 14.9626, 68.2898

Tritanopia

15.8179, 14.7500, 16.2007

Trichromacy



Original Color

30.0368, 14.7246, 86.8470

Protanomaly

18.3831, 12.2431, 74.0673

Tritanomaly

18.8735, 13.1772, 33.4470

Monochromacy



Original Color

30.0368, 14.7246, 86.8470

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.4256, 11.1528, 30.1938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0368, 14.7246, 86.8470 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(152, 40, 244)` looks like.

```
.text, #text, p{  
    color:rgb(152, 40, 244)  
}
```

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(152, 40, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 40, 244) }
```

Border

The CSS property to change the border of an element to XYZ 30.0368, 14.7246, 86.8470 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(152, 40, 244) }
```

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

```
.border{ border-color:rgb(152, 40, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 40, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 40, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 40, 244);  
box-shadow:4px 4px 4px 4px rgb(152, 40,  
244) }
```


Background

The CSS property to change the background color of an element to XYZ 30.0368, 14.7246, 86.8470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 40, 244) }
```

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

```
.background{ background-color: rgb(152, 40,  
244) }
```

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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