

Converting Colors

XYZ(30.7925, 16.8136, 96.2301)

Have a look what the booklet for
XYZ(30.7925, 16.8136, 96.2301)
contains.

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Color

**XYZ(30.7646, 16.8432,
96.2373)**

Conversions

Conversions Part 1

Format	Color
Hex	8B44FF
RGB	139, 68, 255
RGB Percent	55%, 27%, 100%
CMY	0.4549, 0.7333, 0.0000
CMYK	0.45, 0.73, 0.00, 0.00
HSL	263°, 100%, 63%
HSV	263°, 73%, 100%
XYZ	30.7646, 16.8432, 96.2373
YIQ	110.5470, -17.7110, 73.2090

Conversions

Conversions Part 2

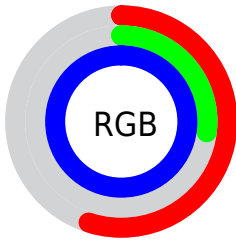
Format	Color
R _{YB}	139, 68, 255
Decimal	9127167
CIE _{Lab}	48.06, 67.17, -81.49
CIE _{LCh}	48, 105.602, 309.500
Yxy	16.8432, 0.2139, 0.1171
Android (android.graphics.Color)	4287317247 (0xFF8B44FF)
YUV	110.5470, 71.2153, 24.9533
Hunter-Lab	41.0405, 61.9857, -110.3030

Details

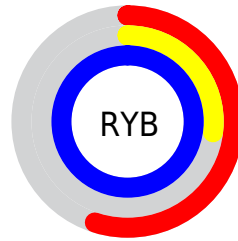
The XYZ color **30.7646, 16.8432, 96.2373** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **56.5692, 82.1270, 18.3394**, and the grayscale version is **14.7840, 15.5539, 16.9382**.

A 20% lighter version of the original color is **48.8290, 33.4184, 98.4846**, and **12.9797, 5.5271, 53.2060** is the 20% darker color. If you saturate the color by 10%, you get **27.0911, 13.1364, 95.7155**, and if you desaturate by 10%, it is **35.4920, 22.0878, 97.0005**.

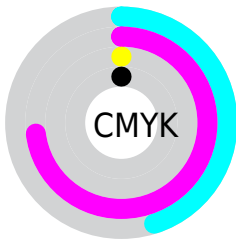
Distribution



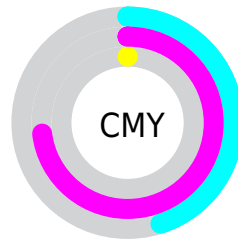
- Red (55%)
- Green (27%)
- Blue (100%)



- Red (55%)
- Yellow (27%)
- Blue (100%)



- Cyan (45%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7646, 16.8432, 96.2373 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 30.7646, 16.8432, 96.2373 by changing the saturation by 10% instead.


 30.7646, 16.8432,
96.2373


 30.7646, 16.8432,
96.2373

297.2986,
234.2672, 569.2037


 20.5706, 10.1228,
72.5626


 60.2476, 38.0560,
157.9831

 12.9212, 5.4804,
53.1288


 80.2674, 53.3171,
196.8914


 7.4509, 2.5318,
37.5172


 104.2931, 72.1939,
241.7146

 3.7945, 0.8925,
25.3092

 132.6902, 95.0708,
292.8713

 1.5865, 0.0000,
16.0865

 165.8239,
122.3322, 350.7800

 0.3836, 0.0000,
9.4304

204.0596,

 0.0000, 0.0000,

154.3625, 415.8593

4.9223

247.7628,
191.5460, 488.5277

■ 0.0000, 0.0000,
2.1438

■ 0.0000, 0.0000,
0.6417

■ 30.7646, 16.8432,
96.2373

■ 30.7646, 16.8432,
96.2373

■ 27.0911, 13.1364,
95.7155

■ 35.4920, 22.0878,
97.0005

■ 24.3585, 10.7697,
95.4027

■ 41.3631, 29.0312,
98.0312

■ 22.9612, 9.7518,
95.2798

■ 48.4602, 37.8148,
99.3526

■ 56.8563, 48.5643,
100.9849

66.6184, 61.3942,
102.9468

77.8085, 76.4100,
105.2554

90.4847, 93.7096,
107.9265

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



19.2359, 16.8432, 134.5218



30.7646, 16.8432, 96.2373



40.1120, 16.8432, 43.6176

Triad

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



30.7646, 16.8432, 96.2373



23.3412, 16.8432, 0.0000



3.8674, 16.8432, 28.4637

Complementary

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



30.7646, 16.8432, 96.2373



56.5692, 82.1270, 18.3394

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.



4.2318, 16.8432, 5.3974



30.7646, 16.8432, 96.2373



13.1647, 16.8432, 0.0000

Square

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



30.7646, 16.8432, 96.2373



34.7753, 16.8432, 1.1034



6.9374, 16.8432, 0.0965



5.6072, 16.8432, 76.2727

Rectangle

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



30.7646, 16.8432, 96.2373



42.2948, 16.8432, 18.8020



6.9374, 16.8432, 0.0965



3.7708, 16.8432, 17.8844

Sweetspot

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



30.7655, 16.8436, 96.2374



68.0267, 63.2680, 103.2343



38.0842, 43.7496, 101.0450



13.9532, 12.7351, 21.9727



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.



30.7655, 16.8436, 96.2374



25.7064, 11.8790, 95.5457



52.7716, 28.1882, 97.2672



17.6549, 17.7138, 22.7385



12.1504, 5.1742, 49.7929



1.2999, 0.5641, 4.8536

Inverse Universe

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



51.9582, 28.8547, 48.1753



48.9558, 25.1137, 40.1949



41.3108, 74.2610, 17.6253



18.4831, 18.1766, 21.1613



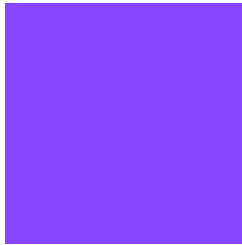
24.8564, 12.4319, 18.4262



2.4734, 1.2317, 2.0744

Previews

White Background



This preview shows how the XYZ color 30.7646, 16.8432, 96.2373 looks on a white background.

Color Contrast Check

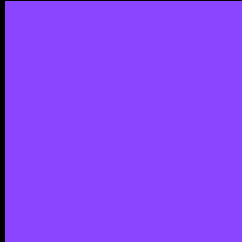
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7646, 16.8432, 96.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

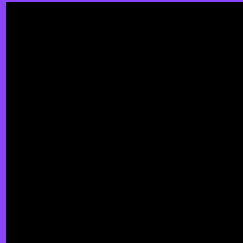
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.7646, 16.8432, 96.2373

Background



This preview shows how black text looks on a background with the XYZ color 30.7646, 16.8432, 96.2373.



This preview shows how white text looks on a background with the XYZ color 30.7646, 16.8432,

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

30.7646, 16.8432, 96.2373

Deuteranopia

16.7866, 16.8927, 57.0195

Tritanopia

15.7127, 16.7809, 21.4797

Trichromacy



Original Color

30.7646, 16.8432, 96.2373



Deuteranomaly

18.7453, 14.7948, 69.5778



Tritanomaly

19.2853, 15.5655, 41.0177

Monochromacy



Original Color

30.7646, 16.8432, 96.2373



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

18.5882, 14.8937, 36.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7646, 16.8432, 96.2373 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(139, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 68, 255)  
}
```

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(139, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 68, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.7646, 16.8432, 96.2373 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(139, 68, 255) }
```

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

```
.border{ border-color:rgb(139, 68, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 68, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 68, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 68, 255); box-shadow:4px 4px 4px 4px rgb(139, 68, 255) }
```


Background

The CSS property to change the background color of an element to XYZ 30.7646, 16.8432, 96.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 68, 255) }
```

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

```
.background{ background-color: rgb(139, 68,  
255) }
```

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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