

Converting Colors

XYZ(33.2478, 22.1081, 97.1227)

Have a look what the booklet for
XYZ(33.2478, 22.1081, 97.1227)
contains.

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Color

**XYZ(33.2826, 22.1260,
97.1243)**

Conversions

Conversions Part 1

Format	Color
Hex	8A66FF
RGB	138, 102, 255
RGB Percent	54%, 40%, 100%
CMY	0.4588, 0.6000, 0.0000
CMYK	0.46, 0.60, 0.00, 0.00
HSL	254°, 100%, 70%
HSV	254°, 60%, 100%
XYZ	33.2826, 22.1260, 97.1243
YIQ	130.2060, -27.6570, 55.2150

Conversions

Conversions Part 2

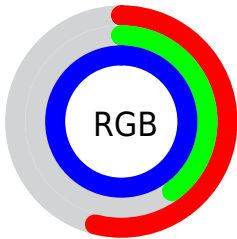
Format	Color
R_{YB}	138, 102, 255
Decimal	9070335
CIE _{Lab}	54.16, 50.01, -71.56
CIE _{LCh}	54, 87.299, 304.947
Yxy	22.1260, 0.2182, 0.1451
Android (android.graphics.Color)	4287260415 (0xFF8A66FF)
YUV	130.2060, 61.5234, 6.8353
Hunter-Lab	47.0383, 43.9832, -89.4948

Details

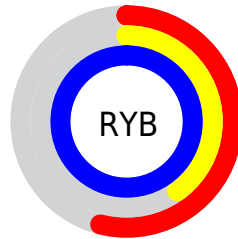
The XYZ color **33.2826, 22.1260, 97.1243** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **67.3704, 87.5387, 25.9165**, and the grayscale version is **21.0880, 22.1862, 24.1608**.

A 20% lighter version of the original color is **52.8943, 42.3370, 99.9918**, and **14.3316, 8.1139, 53.6341** is the 20% darker color. If you saturate the color by 10%, you get **28.2092, 16.3453, 96.2759**, and if you desaturate by 10%, it is **39.7075, 29.7474, 98.2568**.

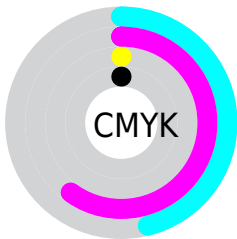
Distribution



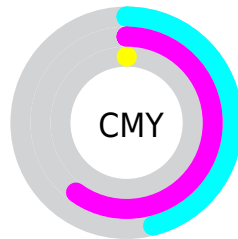
- Red (54%)
- Green (40%)
- Blue (100%)



- Red (54%)
- Yellow (40%)
- Blue (100%)



- Cyan (46%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2826, 22.1260, 97.1243 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 33.2826, 22.1260, 97.1243 by changing the saturation by 10% instead.

■ 33.2826, 22.1260,
97.1243

■ 33.2826, 22.1260,
97.1243

308.5637,
263.2036, 572.1007

■ 22.5033, 13.9495,
73.2977

■ 64.1682, 46.9542,
159.2169

■ 14.3458, 8.0856,
53.7261

■ 85.0052, 64.3746,
198.3199

■ 8.4449, 4.1497,
37.9910

■ 109.9255, 85.6452,
243.3522

■ 4.4351, 1.7577,
25.6740

■ 139.2945,
111.1503, 294.7322

■ 1.9511, 0.4606,
16.3563

173.4774,
141.2743, 352.8785

■ 0.6063, 0.0000,
9.6196

212.8397,

■ 0.0000, 0.0000,

176.4015, 418.2097

5.0452

257.7467,
216.9165, 491.1442

■ 0.0000, 0.0000,
2.2146

■ 0.0000, 0.0000,
0.6828

■ 33.2826, 22.1260,
97.1243

■ 33.2826, 22.1260,
97.1243

■ 28.2092, 16.3453,
96.2759

■ 39.7075, 29.7474,
98.2568

■ 24.3802, 12.2408,
95.6855

■ 47.5737, 39.3503,
99.6957

■ 21.6753, 9.6210,
95.3224

■ 56.9663, 51.0639,
101.4616

■ 19.9140, 8.1809,
95.1372

■ 67.9627, 65.0055,
103.5730

■ 19.9139, 8.1809,
95.1372

■ 80.6349, 81.2839,
106.0472

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.



22.6399, 22.1260, 122.3737



33.2826, 22.1260, 97.1243



42.2199, 22.1260, 53.6167

Triad

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



33.2826, 22.1260, 97.1243



29.7236, 22.1260, 0.9998



7.6035, 22.1260, 28.8747

Complementary

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



33.2826, 22.1260, 97.1243



67.3704, 87.5387, 25.9165

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.



8.4697, 22.1260, 8.0664



33.2826, 22.1260, 97.1243



19.4984, 22.1260, 0.4478

Square

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



33.2826, 22.1260, 97.1243



39.7697, 22.1260, 4.8631



12.2277, 22.1260, 1.6416



9.3554, 22.1260, 68.0220

Rectangle

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



33.2826, 22.1260, 97.1243



44.8885, 22.1260, 28.9841



12.2277, 22.1260, 1.6416



7.6050, 22.1260, 19.7829

Sweetspot

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



33.2836, 22.1267, 97.1244



70.3604, 68.0703, 104.0382



48.9395, 60.8647, 103.7764



14.3179, 13.6219, 22.1246



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.



33.2836, 22.1267, 97.1244



27.3472, 15.3957, 96.1380



50.5915, 31.0492, 97.9344



17.4031, 17.5840, 22.7268



10.5140, 4.3306, 49.7163



1.1153, 0.4689, 4.8450

Inverse Universe

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



58.7771, 35.8772, 70.8419



55.3765, 30.5606, 65.1317



49.4515, 78.3012, 25.0779



18.5991, 18.2230, 21.7720



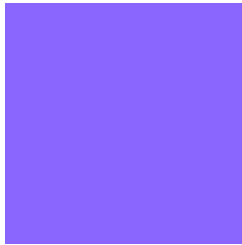
26.7561, 13.1917, 28.4299



2.6472, 1.3013, 2.9896

Previews

White Background



This preview shows how the XYZ color 33.2826, 22.1260, 97.1243 looks on a white background.

Color Contrast Check

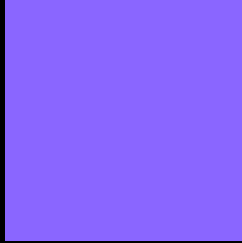
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.2826, 22.1260, 97.1243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

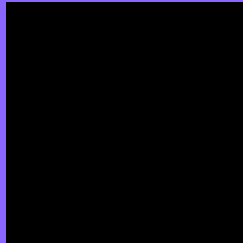
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2826, 22.1260, 97.1243

Background



This preview shows how black text looks on a background with the XYZ color 33.2826, 22.1260, 97.1243.



This preview shows how white text looks on a background with the XYZ color 33.2826, 22.1260,

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

33.2826, 22.1260, 97.1243

Protanopia

26.4223, 22.4227, 97.5431

Deuteranopia

22.5342, 22.2157, 77.9633



Tritanopia

19.7282, 22.0399, 29.5999

Trichromacy



Original Color

33.2826, 22.1260, 97.1243

Protanomaly

27.5532, 21.5623, 97.3175

Deuteranomaly

23.7328, 20.5848, 84.3838

Tritanomaly

23.3570, 21.3728, 48.2417

Monochromacy



Original Color

33.2826, 22.1260, 97.1243

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.1272, 21.5146, 43.4385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2826, 22.1260, 97.1243 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(138, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 102, 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(138, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.2826, 22.1260, 97.1243 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(138, 102, 255) }
```


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

```
.border{ border-color:rgb(138, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2826, 22.1260, 97.1243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 102, 255) }
```

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

```
.background{ background-color: rgb(138,  
102, 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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