

Converting Colors

XYZ(33.5101, 22.6950, 97.2221)

Have a look what the booklet for
XYZ(33.5101, 22.6950, 97.2221)
contains.

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Color

**XYZ(33.5828, 22.7264,
97.2244)**

Conversions

Conversions Part 1

Format	Color
Hex	8A69FF
RGB	138, 105, 255
RGB Percent	54%, 41%, 100%
CMY	0.4588, 0.5882, 0.0000
CMYK	0.46, 0.59, 0.00, 0.00
HSL	253°, 100%, 71%
HSV	253°, 59%, 100%
XYZ	33.5828, 22.7264, 97.2244
YIQ	131.9670, -28.4820, 53.6460

Conversions

Conversions Part 2

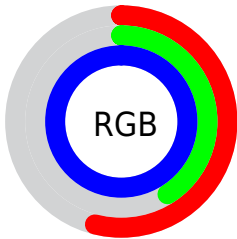
Format	Color
R_{YB}	138, 105, 255
Decimal	9071103
CIE _{Lab}	54.79, 48.35, -70.54
CIE _{LCh}	55, 85.521, 304.429
Yxy	22.7264, 0.2187, 0.1480
Android (android.graphics.Color)	4287261183 (0xFF8A69FF)
YUV	131.9670, 60.6553, 5.2909
Hunter-Lab	47.6722, 42.3184, -87.5476

Details

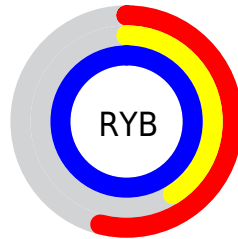
The XYZ color **33.5828, 22.7264, 97.2244** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **68.4328, 88.0689, 26.7571**, and the grayscale version is **21.7170, 22.8479, 24.8814**.

A 20% lighter version of the original color is **53.3957, 43.3397, 100.1589**, and **14.4727, 8.3961, 53.6811** is the 20% darker color. If you saturate the color by 10%, you get **28.3692, 16.7442, 96.3445**, and if you desaturate by 10%, it is **40.1792, 30.5773, 98.3921**.

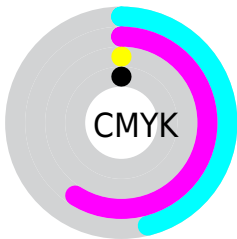
Distribution



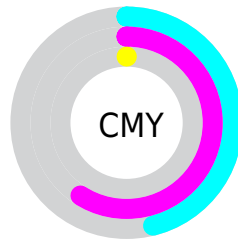
- Red (54%)
- Green (41%)
- Blue (100%)



- Red (54%)
- Yellow (41%)
- Blue (100%)



- Cyan (46%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5828, 22.7264, 97.2244 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 33.5828, 22.7264, 97.2244 by changing the saturation by 10% instead.


 33.5828, 22.7264,
97.2244

 33.5828, 22.7264,
97.2244

309.8865,
266.3166, 572.4271

 22.7346, 14.3916,
73.3806


 64.6330, 47.9437,
159.3561

 14.5173, 8.3935,
53.7936


 85.5657, 65.5950,
198.4810

 8.5654, 4.3478,
38.0446


 110.5907, 87.1206,
243.5368

 4.5137, 1.8699,
25.7152

 140.0732,
112.9048, 294.9420

 1.9966, 0.5302,
16.3868

174.3787,
143.3322, 353.1151

 0.6321, 0.0000,
9.6410

213.8725,

 0.0000, 0.0000,

178.7870, 418.4746

5.0591

258.9200,
219.6537, 491.4391

■ 0.0000, 0.0000,
2.2226

■ 0.0000, 0.0000,
0.6874

■ 33.5828, 22.7264,
97.2244

■ 33.5828, 22.7264,
97.2244

■ 28.3692, 16.7442,
96.3445

■ 40.1792, 30.5773,
98.3921

■ 24.4307, 12.4677,
95.7266

■ 48.2491, 40.4367,
99.8698

■ 21.6468, 9.7085,
95.3407

■ 57.8785, 52.4332,
101.6778

■ 19.8537, 8.1982,
95.1437

■ 69.1458, 66.6842,
103.8347

■ 19.6869, 8.0639,
95.1266

■ 82.1238, 83.2980,
106.3575

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.



23.0338, 22.7264, 121.2740



33.5828, 22.7264, 97.2244



42.4757, 22.7264, 54.6724

Triad

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



33.5828, 22.7264, 97.2244



30.4271, 22.7264, 1.2326



8.0812, 22.7264, 28.9831

Complementary

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



33.5828, 22.7264, 97.2244



68.4328, 88.0689, 26.7571

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.



9.0102, 22.7264, 8.3990



33.5828, 22.7264, 97.2244



20.2284, 22.7264, 0.6432

Square

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



33.5828, 22.7264, 97.2244



40.3122, 22.7264, 5.4482



12.8732, 22.7264, 1.8602



9.8161, 22.7264, 67.3437

Rectangle

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



33.5828, 22.7264, 97.2244



45.1892, 22.7264, 30.1465



12.8732, 22.7264, 1.8602



8.0976, 22.7264, 20.0310

Sweetspot

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



33.5838, 22.7271, 97.2244



70.1484, 67.9610, 104.0283



50.1302, 62.7320, 104.0741



14.2670, 13.5956, 22.1222



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.



33.5838, 22.7271, 97.2244



27.4071, 15.6740, 96.1886



50.3975, 31.3949, 98.0113



17.3767, 17.5704, 22.7255



10.3897, 4.2665, 49.7105



1.0998, 0.4609, 4.8443

Inverse Universe

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



59.4759, 36.6371, 73.0412



55.9722, 31.0656, 67.4465



50.4325, 78.7894, 25.9147



18.6115, 18.2279, 21.8373



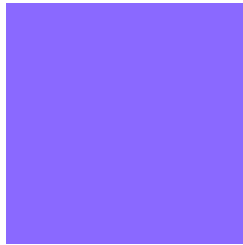
26.9871, 13.2841, 29.6464



2.6679, 1.3095, 3.0985

Previews

White Background



This preview shows how the XYZ color 33.5828, 22.7264, 97.2244 looks on a white background.

Color Contrast Check

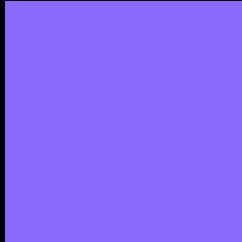
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5828, 22.7264, 97.2244 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 33.5828, 22.7264, 97.2244

Background



This preview shows how black text looks on a background with the XYZ color 33.5828, 22.7264, 97.2244.

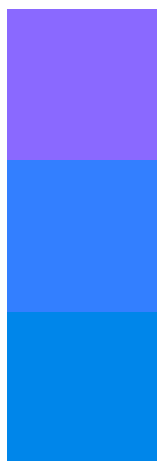


This preview shows how white text looks on a background with the XYZ color 33.5828, 22.7264,

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

33.5828, 22.7264, 97.2244

Protanopia

27.0046, 23.1026, 97.6437

Deuteranopia

23.3764, 22.9907, 81.0475



Tritanopia

20.1590, 22.6545, 30.5044

Trichromacy



Original Color

33.5828, 22.7264, 97.2244

Protanomaly

28.2141, 22.2527, 97.4159

Deuteranomaly

24.4254, 21.2548, 86.8196

Tritanomaly

23.8163, 21.9535, 49.4366

Monochromacy



Original Color

33.5828, 22.7264, 97.2244

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.7269, 22.1617, 44.5694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5828, 22.7264, 97.2244 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, 105, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 105, 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, 105, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 105, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.5828, 22.7264, 97.2244 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, 105, 255) }
```


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

```
.border{ border-color:rgb(138, 105, 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, 105, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 105, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 105, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 105,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5828, 22.7264, 97.2244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 105, 255) }
```

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

```
.background{ background-color: rgb(138,  
105, 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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