

Converting Colors

XYZ(33.7859, 22.3855, 97.1479)

Have a look what the booklet for
XYZ(33.7859, 22.3855, 97.1479)
contains.

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Color

**XYZ(33.7859, 22.3855,
97.1479)**

Conversions

Conversions Part 1

Format	Color
Hex	8D66FF
RGB	141, 102, 255
RGB Percent	55%, 40%, 100%
CMY	0.4470, 0.6000, 0.0000
CMYK	0.45, 0.60, 0.00, 0.00
HSL	255°, 100%, 70%
HSV	255°, 60%, 100%
XYZ	33.7859, 22.3855, 97.1479
YIQ	131.1030, -25.8690, 55.8510

Conversions

Conversions Part 2

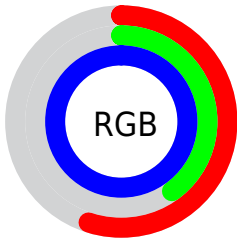
Format	Color
R_{YB}	141, 102, 255
Decimal	9266943
CIE _{Lab}	54.43, 50.60, -71.10
CIE _{LCh}	54, 87.267, 305.435
Yxy	22.3855, 0.2204, 0.1460
Android (android.graphics.Color)	4287457023 (0xFF8D66FF)
YUV	131.1030, 61.0812, 8.6797
Hunter-Lab	47.3133, 44.6665, -88.6202

Details

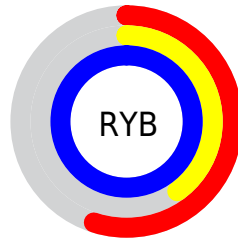
The XYZ color **33.7859, 22.3855, 97.1479** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **66.4761, 87.0777, 25.8747**, and the grayscale version is **21.4065, 22.5213, 24.5257**.

A 20% lighter version of the original color is **53.8587, 43.0802, 100.0844**, and **14.6143, 8.1927, 53.6344** is the 20% darker color. If you saturate the color by 10%, you get **28.6960, 16.5962, 96.2987**, and if you desaturate by 10%, it is **40.2024, 30.0026, 98.2799**.

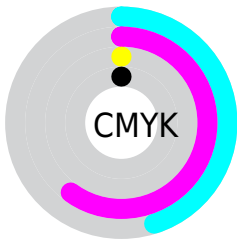
Distribution



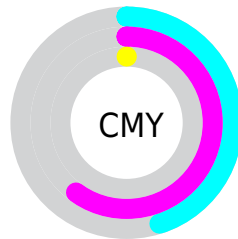
- Red (55%)
- Green (40%)
- Blue (100%)



- Red (55%)
- Yellow (40%)
- Blue (100%)



- Cyan (45%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7859, 22.3855, 97.1479 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 33.7859, 22.3855, 97.1479 by changing the saturation by 10% instead.


 33.7859, 22.3855,
97.1479


 33.7859, 22.3855,
97.1479


310.7791,
264.5529, 572.1777


 22.8913, 14.1404,
73.3172


 64.9471, 47.3823,
159.2497

 14.6335, 8.2184,
53.7420


 85.9444, 64.9029,
198.3579

 8.6472, 4.2350,
38.0037


 111.0399, 86.2840,
243.3957

 4.5671, 1.8059,
25.6837

 140.5991,
111.9102, 294.7817

 2.0277, 0.4908,
16.3635

174.9872,
142.1658, 352.9343

 0.6494, 0.0000,
9.6246

214.5697,

 0.0000, 0.0000,

177.4352, 418.2722

5.0484

259.7119,
218.1027, 491.2138

■ 0.0000, 0.0000,
2.2165

■ 0.0000, 0.0000,
0.6839

■ 33.7859, 22.3855,
97.1479

■ 33.7859, 22.3855,
97.1479

■ 28.6960, 16.5962,
96.2987

■ 40.2024, 30.0026,
98.2799

■ 24.8281, 12.4717,
95.7064

■ 48.0327, 39.5871,
99.7172

■ 22.0652, 9.8220,
95.3406

■ 57.3598, 51.2668,
101.4800

■ 20.2305, 8.3441,
95.1521

■ 68.2592, 65.1584,
103.5869

■ 20.2304, 8.3440,
95.1520

■ 80.8009, 81.3696,
106.0550

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.



23.0625, 22.3855, 123.0309



33.7859, 22.3855, 97.1479



42.7067, 22.3855, 53.3946

Triad

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



33.7859, 22.3855, 97.1479



29.8521, 22.3855, 1.0133



7.7396, 22.3855, 29.6979

Complementary

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



33.7859, 22.3855, 97.1479



66.4761, 87.0777, 25.8747

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.



8.5719, 22.3855, 8.4054



33.7859, 22.3855, 97.1479



19.5857, 22.3855, 0.4877

Square

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



33.7859, 22.3855, 97.1479



40.0005, 22.3855, 4.8387



12.3133, 22.3855, 1.7357



9.5553, 22.3855, 69.2962

Rectangle

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



33.7859, 22.3855, 97.1479



45.3076, 22.3855, 28.7996



12.3133, 22.3855, 1.7357



7.7272, 22.3855, 20.4267

Sweetspot

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



33.7869, 22.3862, 97.1479



70.6333, 68.2110, 104.0510



48.2782, 59.5420, 103.5560



14.3835, 13.6557, 22.1277



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.



33.7869, 22.3862, 97.1479



27.8278, 15.6434, 96.1605



51.3426, 31.4365, 97.9695



17.4370, 17.6015, 22.7283



10.6864, 4.4195, 49.7244



1.1363, 0.4797, 4.8460

Inverse Universe

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



58.3857, 35.7207, 68.7807



54.9280, 30.3812, 62.7696



49.0159, 78.0766, 25.0576



18.5832, 18.2166, 21.6884



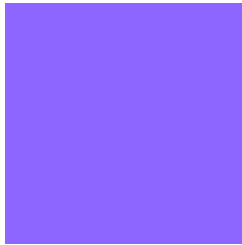
26.4685, 13.0767, 26.9154



2.6213, 1.2909, 2.8533

Previews

White Background



This preview shows how the XYZ color 33.7859, 22.3855, 97.1479 looks on a white background.

Color Contrast Check

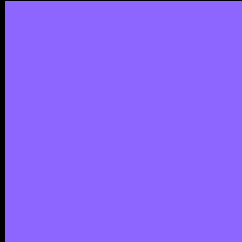
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7859, 22.3855, 97.1479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

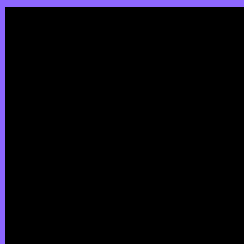
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7859, 22.3855, 97.1479

Background



This preview shows how black text looks on a background with the XYZ color 33.7859, 22.3855, 97.1479.



This preview shows how white text looks on a background with the XYZ color 33.7859, 22.3855,

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

33.7859, 22.3855, 97.1479

Protanopia

26.7298, 22.7701, 97.5940

Deuteranopia

22.9530, 22.6013, 79.4967



Tritanopia

20.2316, 22.2994, 29.6234

Trichromacy



Original Color

33.7859, 22.3855, 97.1479

Protanomaly

27.8910, 21.7364, 97.3333

Deuteranomaly

24.0530, 20.9141, 85.2072

Tritanomaly

23.7796, 21.5907, 48.2615

Monochromacy



Original Color

33.7859, 22.3855, 97.1479

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.5446, 21.7184, 43.9727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7859, 22.3855, 97.1479 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(141, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7859, 22.3855, 97.1479 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(141, 102, 255) }
```


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

```
.border{ border-color:rgb(141, 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(141, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7859, 22.3855, 97.1479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 102, 255) }
```

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

```
.background{ background-color: rgb(141,  
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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