

Converting Colors

XYZ(33.6400, 21.7420, 97.0313)

Have a look what the booklet for
XYZ(33.6400, 21.7420, 97.0313)
contains.

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Color

**XYZ(33.5730, 21.7061,
97.0280)**

Conversions

Conversions Part 1

Format	Color
Hex	8E62FF
RGB	142, 98, 255
RGB Percent	56%, 38%, 100%
CMY	0.4431, 0.6157, 0.0000
CMYK	0.44, 0.62, 0.00, 0.00
HSL	257°, 100%, 69%
HSV	257°, 62%, 100%
XYZ	33.5730, 21.7061, 97.0280
YIQ	129.0540, -24.1730, 58.1550

Conversions

Conversions Part 2

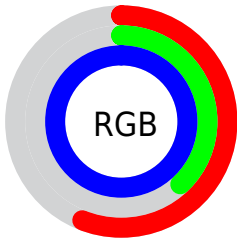
Format	Color
R _Y B	142, 98, 255
Decimal	9331455
CIE _{Lab}	53.71, 52.95, -72.26
CIE _{LCh}	54, 89.589, 306.233
Yxy	21.7061, 0.2204, 0.1425
Android (android.graphics.Color)	4287521535 (0xFF8E62FF)
YUV	129.0540, 62.0914, 11.3536
Hunter-Lab	46.5898, 47.0964, -90.8646

Details

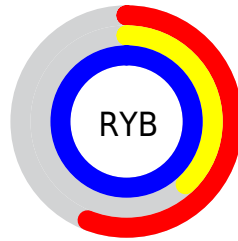
The XYZ color **33.5730, 21.7061, 97.0280** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **64.8274, 86.2501, 24.7866**, and the grayscale version is **20.6816, 21.7586, 23.6951**.

A 20% lighter version of the original color is **53.4737, 41.9098, 99.8788**, and **14.5283, 7.8945, 53.5814** is the 20% darker color. If you saturate the color by 10%, you get **28.6619, 16.1790, 96.2199**, and if you desaturate by 10%, it is **39.7641, 29.0210, 98.1136**.

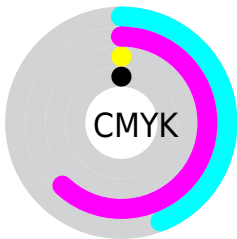
Distribution



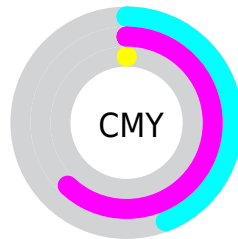
- Red (56%)
- Green (38%)
- Blue (100%)



- Red (56%)
- Yellow (38%)
- Blue (100%)



- Cyan (44%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5730, 21.7061, 97.0280 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 33.5730, 21.7061, 97.0280 by changing the saturation by 10% instead.


 33.5730, 21.7061,
97.0280


 33.5730, 21.7061,
97.0280


309.8434,
261.0076, 571.7866

 22.7271, 13.6411,
73.2178


 64.6178, 46.2598,
159.0830


 14.5117, 7.8715,
53.6612


 85.5474, 63.5172,
198.1649

 8.5615, 4.0128,
37.9395


 110.5690, 84.6076,
243.1745

 4.5111, 1.6807,
25.6343

 140.0478,
109.9154, 294.5304

 1.9951, 0.4111,
16.3269

174.3493,
139.8248, 352.6509

 0.6312, 0.0000,
9.5989

213.8389,

 0.0000, 0.0000,

174.7204, 417.9548

5.0318

258.8818,
214.9866, 490.8605

■ 0.0000, 0.0000,
2.2068

■ 0.0000, 0.0000,
0.6783

■ 33.5730, 21.7061,
97.0280

■ 33.5730, 21.7061,
97.0280

■ 28.6619, 16.1790,
96.2199

■ 39.7641, 29.0210,
98.1136

■ 24.9275, 12.2745,
95.6631

■ 47.3212, 38.2644,
99.4994

■ 22.2530, 9.7986,
95.3262

■ 56.3255, 49.5648,
101.2060

■ 20.6833, 8.5775,
95.1732

■ 66.8512, 63.0391,
103.2521

78.9667, 78.7949,
105.6547

92.7364, 96.9330,
108.4300

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.



22.7000, 21.7061, 124.7107



33.5730, 21.7061, 97.0280



42.5462, 21.7061, 51.9717

Triad

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



33.5730, 21.7061, 97.0280



28.9973, 21.7061, 0.7424



7.1867, 21.7061, 29.8489

Complementary

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



33.5730, 21.7061, 97.0280



64.8274, 86.2501, 24.7866

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.



7.9319, 21.7061, 8.0929



33.5730, 21.7061, 97.0280



18.6917, 21.7061, 0.2482

Square

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



33.5730, 21.7061, 97.0280



39.3821, 21.7061, 4.1381



11.5331, 21.7061, 1.4988



9.0390, 21.7061, 70.6538

Rectangle

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



33.5730, 21.7061, 97.0280



45.0653, 21.7061, 27.2792



11.5331, 21.7061, 1.4988



7.1525, 21.7061, 20.3294

Sweetspot

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



33.5740, 21.7067, 97.0280



70.9885, 68.3941, 104.0676



46.9149, 57.4724, 103.2284



14.4690, 13.6997, 22.1317



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.



33.5740, 21.7067, 97.0280



27.6496, 15.0869, 96.0625



51.4410, 30.9176, 97.8642



17.4809, 17.6242, 22.7304



10.9317, 4.5460, 49.7359



1.1653, 0.4947, 4.8473

Inverse Universe

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



57.3651, 34.6984, 65.2992



53.8796, 29.4611, 58.7925



47.8975, 77.5224, 23.9943



18.5628, 18.2084, 21.5806



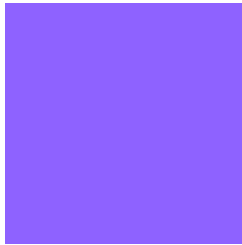
26.1106, 12.9335, 25.0308



2.5889, 1.2780, 2.6828

Previews

White Background



This preview shows how the XYZ color 33.5730, 21.7061, 97.0280 looks on a white background.

Color Contrast Check

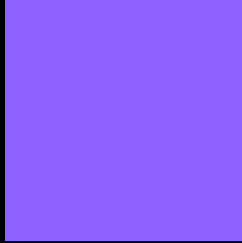
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5730, 21.7061, 97.0280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

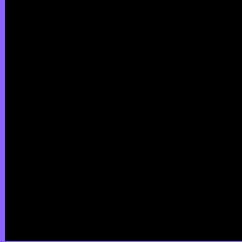
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5730, 21.7061, 97.0280

Background



This preview shows how black text looks on a background with the XYZ color 33.5730, 21.7061, 97.0280.



This preview shows how white text looks on a background with the XYZ color 33.5730, 21.7061,

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

33.5730, 21.7061, 97.0280

Protanopia

26.0944, 22.0666, 97.4917

Deuteranopia

22.1199, 21.8340, 76.4473



Tritanopia

19.7341, 21.6664, 28.3412

Trichromacy



Original Color

33.5730, 21.7061, 97.0280



Protanomaly

27.1612, 21.0180, 97.2331



Deuteranomaly

23.4456, 20.0968, 83.5323



Tritanomaly

23.3525, 20.8561, 47.0508

Monochromacy



Original Color

33.5730, 21.7061, 97.0280



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

24.0478, 21.1203, 43.3666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5730, 21.7061, 97.0280 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(142, 98, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 98, 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(142, 98, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 98, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.5730, 21.7061, 97.0280 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(142, 98, 255) }
```


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

```
.border{ border-color:rgb(142, 98, 255) }
```

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

Here you see how a box with a 4 pixel rgb(142, 98, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 98, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 98, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 98,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5730, 21.7061, 97.0280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 98, 255) }
```

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

```
.background{ background-color: rgb(142, 98,  
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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