

Converting Colors

XYZ(37.9663, 26.5054,
118.9837)

Have a look what the booklet for
XYZ(37.9663, 26.5054, 118.9837)
contains.

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Color

**XYZ(33.9270, 24.8481,
97.6158)**

Conversions

Conversions Part 1

Format	Color
Hex	8475FF
RGB	132, 117, 255
RGB Percent	52%, 46%, 100%
CMY	0.4823, 0.5412, 0.0000
CMYK	0.48, 0.54, 0.00, 0.00
HSL	247°, 100%, 73%
HSV	247°, 54%, 100%
XYZ	33.9270, 24.8481, 97.6158
YIQ	137.2170, -35.3580, 46.0980

Conversions

Conversions Part 2

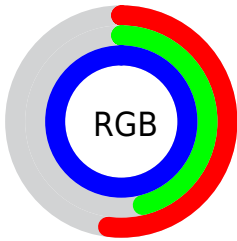
Format	Color
R_{YB}	132, 117, 255
Decimal	8680959
CIE _{Lab}	56.93, 40.34, -67.11
CIE _{LCh}	57, 78.304, 301.010
Yxy	24.8481, 0.2169, 0.1589
Android (android.graphics.Color)	4286871039 (0xFF8475FF)
YUV	137.2170, 58.0670, -4.5753
Hunter-Lab	49.8479, 34.2553, -81.2126

Details

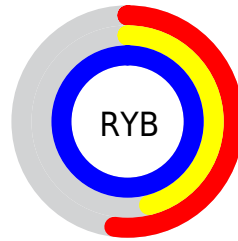
The XYZ color **33.9270, 24.8481, 97.6158** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **74.9047, 91.3289, 30.5104**, and the grayscale version is **23.6577, 24.8898, 27.1049**.

A 20% lighter version of the original color is **53.9762, 46.8024, 100.7967**, and **14.6710, 9.4676, 53.8775** is the 20% darker color. If you saturate the color by 10%, you get **28.1750, 18.0570, 96.6081**, and if you desaturate by 10%, it is **41.2641, 33.6577, 98.9295**.

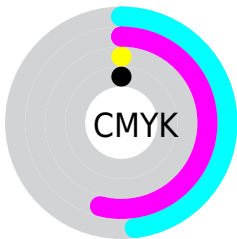
Distribution



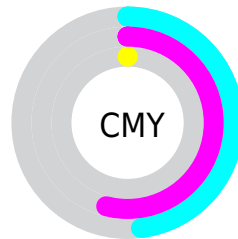
- Red (52%)
- Green (46%)
- Blue (100%)



- Red (52%)
- Yellow (46%)
- Blue (100%)



- Cyan (48%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9270, 24.8481, 97.6158 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 33.9270, 24.8481, 97.6158 by changing the saturation by 10% instead.

■ 33.9270, 24.8481,
97.6158

■ 33.9270, 24.8481,
97.6158

311.3981,
277.0806, 573.7026

■ 23.0001, 15.9639,
73.7051

■ 65.1652, 51.4107,
159.9001

■ 14.7143, 9.4986,
54.0574

■ 86.2072, 69.8579,
199.1107

■ 8.7041, 5.0678,
38.2541

■ 111.3517, 92.2616,
244.2585

■ 4.6043, 2.2871,
25.8766

140.9640,
119.0061, 295.7619

■ 2.0493, 0.7669,
16.5064

175.4094,
150.4758, 354.0395

■ 0.6615, 0.0000,
9.7250

215.0533,

■ 0.0000, 0.0000,

187.0553, 419.5097

5.1138

260.2611,
229.1287, 492.5913

■ 0.0000, 0.0000,
2.2543

■ 0.0000, 0.0000,
0.7054

■ 33.9270, 24.8481,
97.6158

■ 33.9270, 24.8481,
97.6158

■ 28.1750, 18.0570,
96.6081

■ 41.2641, 33.6577,
98.9295

■ 23.8869, 13.1212,
95.8814

■ 50.2894, 44.6270,
100.5711

■ 20.9287, 9.8557,
95.4070

■ 61.1006, 57.8872,
102.5607

■ 19.1391, 8.0351,
95.1499

■ 73.7872, 73.5582,
104.9169

■ 18.5214, 7.4630,
95.0721

■ 88.4326, 91.7517,
107.6567

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.



23.9298, 24.8481, 115.5947



33.9270, 24.8481, 97.6158



42.6636, 24.8481, 59.6914

Triad

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



33.9270, 24.8481, 97.6158



33.2457, 24.8481, 2.5531



10.0009, 24.8481, 27.9560

Complementary

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



33.9270, 24.8481, 97.6158



74.9047, 91.3289, 30.5104

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.



11.2988, 24.8481, 9.2076



33.9270, 24.8481, 97.6158



23.3077, 24.8481, 1.4536

Square

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



33.9270, 24.8481, 97.6158



42.2039, 24.8481, 8.4757



15.6416, 24.8481, 2.7422



11.4901, 24.8481, 62.3449

Rectangle

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



33.9270, 24.8481, 97.6158



45.6911, 24.8481, 35.7476



15.6416, 24.8481, 2.7422



10.1221, 24.8481, 19.9004

Sweetspot

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



33.9280, 24.8489, 97.6158



71.2513, 70.4181, 104.4445



56.9009, 74.0311, 105.8982



14.6741, 14.3593, 22.2482



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.



33.9280, 24.8489, 97.6158



27.7393, 17.5491, 96.5330



48.1776, 32.1948, 98.2827



17.1863, 17.4723, 22.7166



9.7364, 3.9298, 49.6799



1.0051, 0.4121, 4.8398

Inverse Universe

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



63.3290, 40.2739, 86.8706



60.1161, 34.5596, 83.6064



56.0283, 81.5978, 29.6270



18.7026, 18.2643, 22.3168



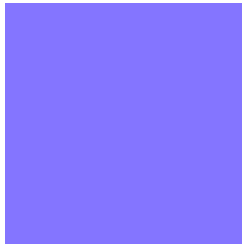
28.8477, 14.0284, 39.4440



2.8321, 1.3752, 3.9634

Previews

White Background



This preview shows how the XYZ color 33.9270, 24.8481, 97.6158 looks on a white background.

Color Contrast Check

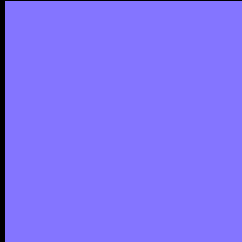
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9270, 24.8481, 97.6158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

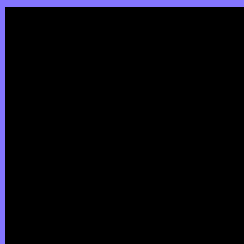
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9270, 24.8481, 97.6158

Background



This preview shows how black text looks on a background with the XYZ color 33.9270, 24.8481, 97.6158.



This preview shows how white text looks on a background with the XYZ color 33.9270, 24.8481,

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

33.9270, 24.8481, 97.6158

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.7140, 25.0578, 89.8676



Tritanopia

21.2487, 24.8616, 34.2507

Trichromacy



Original Color

33.9270, 24.8481, 97.6158

Protanomaly

30.1536, 24.7259, 97.7911

Deuteranomaly

26.4341, 23.7005, 92.8040

Tritanomaly

24.8685, 24.3892, 52.6871

Monochromacy



Original Color

33.9270, 24.8481, 97.6158

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.2125, 24.4114, 46.5103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9270, 24.8481, 97.6158 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(132, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 117, 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(132, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.9270, 24.8481, 97.6158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

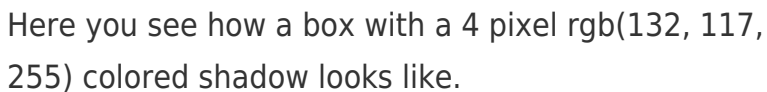
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 117, 255) }
```


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

```
.border{ border-color:rgb(132, 117, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(132, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 117, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 117, 255); box-shadow:4px 4px 4px 4px rgb(132, 117, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9270, 24.8481, 97.6158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 117, 255) }
```

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

```
.background{ background-color: rgb(132,  
117, 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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