

Converting Colors

XYZ(33.8298, 26.2350, 97.8886)

Have a look what the booklet for
XYZ(33.8298, 26.2350, 97.8886)
contains.

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Color

**XYZ(33.8411, 26.2472,
97.8903)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7DFF
RGB	125, 125, 255
RGB Percent	49%, 49%, 100%
CMY	0.5098, 0.5098, 0.0000
CMYK	0.51, 0.51, 0.00, 0.00
HSL	240°, 100%, 75%
HSV	240°, 51%, 100%
XYZ	33.8411, 26.2472, 97.8903
YIQ	139.8200, -41.7300, 40.4300

Conversions

Conversions Part 2

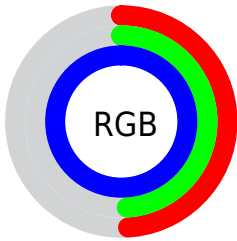
Format	Color
RYB	125, 125, 255
Decimal	8224255
CIELab	58.27, 34.25, -64.98
CIELCh	58, 73.450, 297.794
Yxy	26.2472, 0.2142, 0.1661
Android (android.graphics.Color)	4286414335 (0xFF7D7DFF)
YUV	139.8200, 56.7837, -12.9971
Hunter-Lab	51.2320, 28.2514, -77.4245

Details

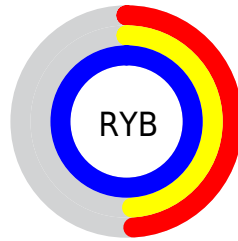
The XYZ color **33.8411, 26.2472, 97.8903** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **80.6998, 94.2597, 33.3431**, and the grayscale version is **24.6569, 25.9410, 28.2498**.

A 20% lighter version of the original color is **53.9780, 49.3751, 101.2931**, and **14.5870, 10.1922, 54.0218** is the 20% darker color. If you saturate the color by 10%, you get **27.7607, 18.9203, 96.7966**, and if you desaturate by 10%, it is **41.7074, 35.7251, 99.3052**.

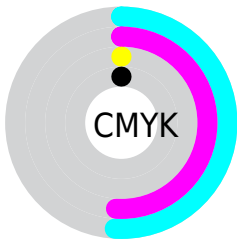
Distribution



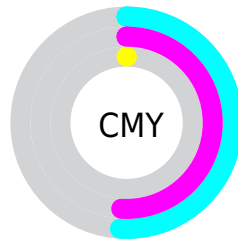
- Red (49%)
- Green (49%)
- Blue (100%)



- Red (49%)
- Yellow (49%)
- Blue (100%)



- Cyan (51%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8411, 26.2472, 97.8903 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 33.8411, 26.2472, 97.8903 by changing the saturation by 10% instead.

■ 33.8411, 26.2472,
97.8903

■ 33.8411, 26.2472,
97.8903

311.0213,
283.9935, 574.5962

■ 22.9339, 17.0087,
73.9328

■ 65.0324, 53.6735,
160.2814

■ 14.6651, 10.2407,
54.2426

■ 86.0472, 72.6300,
199.5521

■ 8.6695, 5.5588,
38.4011

■ 111.1619, 95.5946,
244.7643

■ 4.5816, 2.5787,
25.9899

140.7419,
122.9518, 296.3365

■ 2.0361, 0.9160,
16.5904

175.1524,
155.0859, 354.6872

■ 0.6541, 0.0000,
9.7840

214.7590,

■ 0.0000, 0.0000,

192.3812, 420.2351

5.1523

259.9268,
235.2223, 493.3985

■ 0.0000, 0.0000,
2.2766

■ 0.0000, 0.0000,
0.7181

■ 33.8411, 26.2472,
97.8903

■ 33.8411, 26.2472,
97.8903

■ 27.7607, 18.9203,
96.7966

■ 41.7074, 35.7251,
99.3052

■ 23.3236, 13.5739,
95.9985

■ 51.4811, 47.5018,
101.0632

■ 20.3707, 10.0160,
95.4674

■ 63.2766, 61.7148,
103.1848

■ 18.7100, 8.0151,
95.1687

■ 77.1987, 78.4901,
105.6890

■ 18.0501, 7.2201,
95.0500

□ 93.3447, 97.9452,
108.5933

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.



24.2920, 26.2472, 111.2661



33.8411, 26.2472, 97.8903



42.4795, 26.2472, 63.6175

Triad

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



33.8411, 26.2472, 97.8903



35.2636, 26.2472, 3.8961



11.4219, 26.2472, 26.7271

Complementary

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



33.8411, 26.2472, 97.8903



80.6998, 94.2597, 33.3431

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.



13.0561, 26.2472, 9.5649



33.8411, 26.2472, 97.8903



25.6141, 26.2472, 2.2225

Square

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



33.8411, 26.2472, 97.8903



43.4291, 26.2472, 11.2342



17.7664, 26.2472, 3.4158



12.6315, 26.2472, 58.1894

Rectangle

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



33.8411, 26.2472, 97.8903



45.7751, 26.2472, 40.2882



17.7664, 26.2472, 3.4158



11.6464, 26.2472, 19.3911

Sweetspot

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



33.8422, 26.2480, 97.8904



71.3399, 71.4306, 104.6352



62.2676, 83.1001, 107.3658



14.6424, 14.5332, 22.2834



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.



33.8422, 26.2480, 97.8904



27.7502, 18.9076, 96.7947



46.6191, 32.8348, 98.4884



17.0032, 17.3778, 22.7080



9.4316, 3.7727, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

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



66.6229, 43.1472, 99.4201



63.7936, 37.4888, 98.4762



60.6971, 83.9479, 32.4069



18.7927, 18.3004, 22.7916



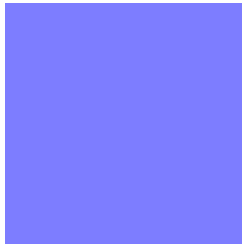
30.9794, 14.8811, 50.6696



3.0164, 1.4489, 4.9336

Previews

White Background



This preview shows how the XYZ color 33.8411, 26.2472, 97.8903 looks on a white background.

Color Contrast Check

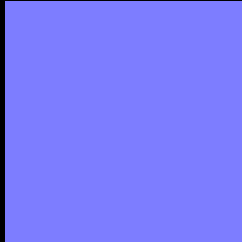
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8411, 26.2472, 97.8903 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 33.8411, 26.2472, 97.8903

Background



This preview shows how black text looks on a background with the XYZ color 33.8411, 26.2472, 97.8903.



This preview shows how white text looks on a background with the XYZ color 33.8411, 26.2472,

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

33.8411, 26.2472, 97.8903

Protanopia

30.0786, 26.4906, 98.1356

Deuteranopia

27.4165, 26.4816, 94.9332



Tritanopia

21.6544, 26.1508, 37.1640

Trichromacy



Original Color

33.8411, 26.2472, 97.8903

Protanomaly

31.1251, 26.2093, 98.0262

Deuteranomaly

28.1785, 25.5664, 95.5451

Tritanomaly

25.1723, 25.7605, 55.2753

Monochromacy



Original Color

33.8411, 26.2472, 97.8903

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.0991, 25.8562, 47.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8411, 26.2472, 97.8903 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(125, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 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(125, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.8411, 26.2472, 97.8903 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(125, 125, 255) }
```


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

```
.border{ border-color:rgb(125, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(125, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8411, 26.2472, 97.8903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 255) }
```

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

```
.background{ background-color: rgb(125,  
125, 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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