

Converting Colors

XYZ(33.0401, 25.2821, 97.7463)

Have a look what the booklet for
XYZ(33.0401, 25.2821, 97.7463)
contains.

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Color

**XYZ(33.0356, 25.2766,
97.7455)**

Conversions

Conversions Part 1

Format	Color
Hex	7A7AFF
RGB	122, 122, 255
RGB Percent	48%, 48%, 100%
CMY	0.5215, 0.5216, 0.0000
CMYK	0.52, 0.52, 0.00, 0.00
HSL	240°, 100%, 74%
HSV	240°, 52%, 100%
XYZ	33.0356, 25.2766, 97.7455
YIQ	137.1620, -42.6930, 41.3630

Conversions

Conversions Part 2

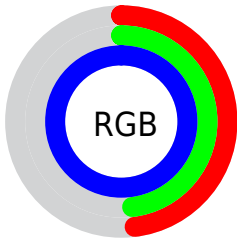
Format	Color
RYB	122, 122, 255
Decimal	8026879
CIELab	57.34, 35.41, -66.48
CIElCh	57, 75.322, 298.042
Yxy	25.2766, 0.2117, 0.1620
Android (android.graphics.Color)	4286216959 (0xFF7A7AFF)
YUV	137.1620, 58.0941, -13.2971
Hunter-Lab	50.2758, 29.3073, -80.0776

Details

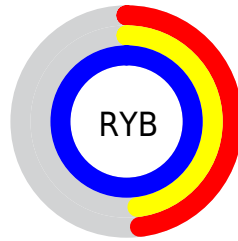
The XYZ color **33.0356, 25.2766, 97.7455** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **80.5108, 94.1841, 32.3486**, and the grayscale version is **23.6389, 24.8700, 27.0834**.

A 20% lighter version of the original color is **52.4775, 47.4372, 100.9982**, and **14.1479, 9.6662, 53.9434** is the 20% darker color. If you saturate the color by 10%, you get **27.1562, 18.1919, 96.6878**, and if you desaturate by 10%, it is **40.6853, 34.4935, 99.1213**.

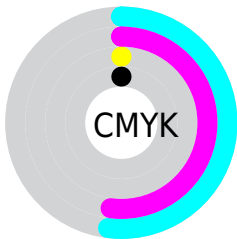
Distribution



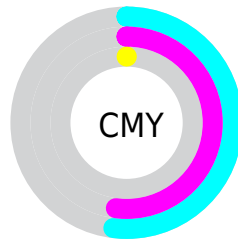
- Red (48%)
- Green (48%)
- Blue (100%)



- Red (48%)
- Yellow (48%)
- Blue (100%)



- Cyan (52%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0356, 25.2766, 97.7455 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 33.0356, 25.2766, 97.7455 by changing the saturation by 10% instead.

■ 33.0356, 25.2766,
97.7455

■ 33.0356, 25.2766,
97.7455

307.4723,
279.2126, 574.1249

■ 22.3131, 16.2833,
73.8127

■ 63.7854, 52.1056,
160.0803

■ 14.2050, 9.7248,
54.1449

■ 84.5434, 70.7100,
199.3193

■ 8.3461, 5.2169,
38.3235

■ 109.3773, 93.2869,
244.4975

■ 4.3708, 2.3751,
25.9301

138.6524,
120.2207, 296.0334

■ 1.9140, 0.8130,
16.5461

172.7341,
151.8958, 354.3456

■ 0.5849, 0.0000,
9.7529

211.9877,

■ 0.0000, 0.0000,

188.6966, 419.8525

5.1320

256.7787,
231.0074, 492.9728

■ 0.0000, 0.0000,
2.2648

■ 0.0000, 0.0000,
0.7114

■ 33.0356, 25.2766,
97.7455

■ 33.0356, 25.2766,
97.7455

■ 27.1562, 18.1919,
96.6878

■ 40.6853, 34.4935,
99.1213

■ 22.9025, 13.0665,
95.9227

■ 50.2283, 45.9922,
100.8378

■ 20.1124, 9.7048,
95.4209

■ 61.7804, 59.9118,
102.9157

■ 18.5889, 7.8692,
95.1469

■ 75.4471, 76.3794,
105.3740

■ 18.0501, 7.2201,
95.0500

■ 91.3265, 95.5134,
108.2302

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.



23.4428, 25.2766, 111.7375



33.0356, 25.2766, 97.7455



41.7376, 25.2766, 62.6213

Triad

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



33.0356, 25.2766, 97.7455



34.3081, 25.2766, 3.3307



10.6248, 25.2766, 25.8757

Complementary

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



33.0356, 25.2766, 97.7455



80.5108, 94.1841, 32.3486

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.



12.2019, 25.2766, 8.8357



33.0356, 25.2766, 97.7455



24.6161, 25.2766, 1.8243

Square

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



33.0356, 25.2766, 97.7455



42.5912, 25.2766, 10.2715



16.8222, 25.2766, 2.9363



11.8323, 25.2766, 57.7208

Rectangle

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



33.0356, 25.2766, 97.7455



45.0440, 25.2766, 39.0207



16.8222, 25.2766, 2.9363



10.8367, 25.2766, 18.5381

Sweetspot

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



33.0366, 25.2773, 97.7455



69.9377, 69.7410, 104.3830



61.8362, 82.8776, 107.3456



14.3663, 14.2006, 22.2337



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.



33.0366, 25.2773, 97.7455



26.7367, 17.6864, 96.6124



45.8722, 31.8943, 98.3462



17.0032, 17.3779, 22.7080



9.4316, 3.7727, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

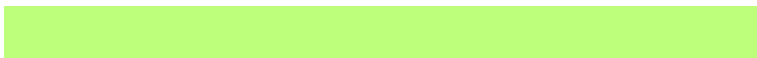
The Inverse Universe completely reimagines the original color for something new.



66.2487, 42.3989, 99.2950



63.3228, 36.5474, 98.3187



60.1355, 83.6802, 31.3951



18.7927, 18.3004, 22.7916



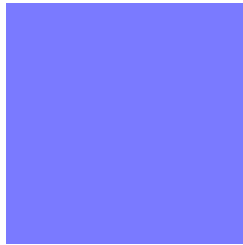
30.9794, 14.8810, 50.6693



3.0164, 1.4489, 4.9336

Previews

White Background



This preview shows how the XYZ color 33.0356, 25.2766, 97.7455 looks on a white background.

Color Contrast Check

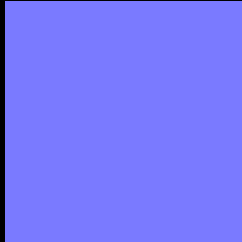
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0356, 25.2766, 97.7455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

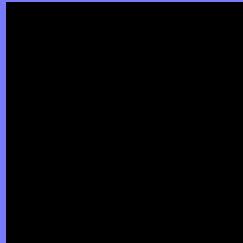
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0356, 25.2766, 97.7455

Background



This preview shows how black text looks on a background with the XYZ color 33.0356, 25.2766, 97.7455.



This preview shows how white text looks on a background with the XYZ color 33.0356, 25.2766,

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

33.0356, 25.2766, 97.7455

Protanopia

29.1852, 25.4115, 97.9744

Deuteranopia

26.1666, 25.4716, 91.5331



Tritanopia

20.6669, 25.2001, 36.1226

Trichromacy



Original Color

33.0356, 25.2766, 97.7455

Protanomaly

30.2146, 25.1447, 97.8687

Deuteranomaly

26.6816, 24.2127, 93.7097

Tritanomaly

24.0508, 24.5664, 53.9262

Monochromacy



Original Color

33.0356, 25.2766, 97.7455

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.0052, 24.7033, 46.5776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0356, 25.2766, 97.7455 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(122, 122, 255)` looks like.

```
.text, #text, p{  
  color:rgb(122, 122, 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(122, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.0356, 25.2766, 97.7455 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(122, 122, 255) }
```


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

```
.border{ border-color:rgb(122, 122, 255) }
```

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

Here you see how a box with a 4 pixel rgb(122, 122, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0356, 25.2766, 97.7455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 122, 255) }
```

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

```
.background{ background-color: rgb(122,  
122, 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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