

Converting Colors

XYZ(33.1583, 25.4140, 97.7655)

Have a look what the booklet for
XYZ(33.1583, 25.4140, 97.7655)
contains.

XYZ(33.1779, 25.3500, 97.7521)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.1779, 25.3500,
97.7521)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7AFF
RGB	123, 122, 255
RGB Percent	48%, 48%, 100%
CMY	0.5176, 0.5216, 0.0000
CMYK	0.52, 0.52, 0.00, 0.00
HSL	240°, 100%, 74%
HSV	240°, 52%, 100%
XYZ	33.1779, 25.3500, 97.7521
YIQ	137.4610, -42.0970, 41.5750

Conversions

Conversions Part 2

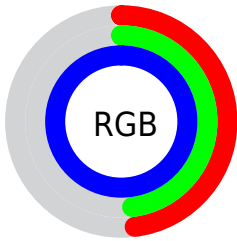
Format	Color
RYB	123, 122, 255
Decimal	8092415
CIELab	57.41, 35.61, -66.36
CIElCh	57, 75.311, 298.218
Yxy	25.3500, 0.2123, 0.1622
Android (android.graphics.Color)	4286282495 (0xFF7B7AFF)
YUV	137.4610, 57.9467, -12.6823
Hunter-Lab	50.3488, 29.5142, -79.8673

Details

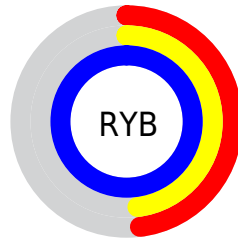
The XYZ color **33.1779, 25.3500, 97.7521** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **80.1441, 93.9950, 32.3315**, and the grayscale version is **23.7521, 24.9890, 27.2130**.

A 20% lighter version of the original color is **52.7145, 47.5594, 101.0093**, and **14.2055, 9.6958, 53.9461** is the 20% darker color. If you saturate the color by 10%, you get **27.2833, 18.2574, 96.6938**, and if you desaturate by 10%, it is **40.8314, 34.5688, 99.1281**.

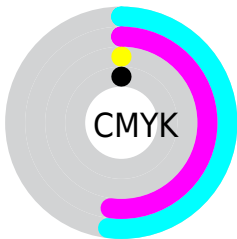
Distribution



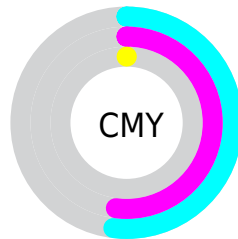
- Red (48%)
- Green (48%)
- Blue (100%)



- 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 33.1779, 25.3500, 97.7521 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 33.1779, 25.3500, 97.7521 by changing the saturation by 10% instead.

■ 33.1779, 25.3500,
97.7521

■ 33.1779, 25.3500,
97.7521

308.1014,
279.5765, 574.1464

■ 22.4227, 16.3380,
73.8182

■ 64.0060, 52.2245,
160.0894

■ 14.2861, 9.7637,
54.1493

■ 84.8096, 70.8557,
199.3299

■ 8.4030, 5.2425,
38.3271

■ 109.6933, 93.4622,
244.5097

■ 4.4078, 2.3903,
25.9328

139.0225,
120.4283, 296.0472

■ 1.9353, 0.8209,
16.5481

173.1625,
152.1383, 354.3612

■ 0.5973, 0.0000,
9.7543

212.4788,

■ 0.0000, 0.0000,

188.9768, 419.8700

5.1329

257.3367,
231.3281, 492.9922

■ 0.0000, 0.0000,
2.2653

■ 0.0000, 0.0000,
0.7117

■ 33.1779, 25.3500,
97.7521

■ 33.1779, 25.3500,
97.7521

■ 27.2833, 18.2574,
96.6938

■ 40.8314, 34.5688,
99.1281

■ 23.0051, 13.1194,
95.9275

■ 50.3650, 46.0628,
100.8442

■ 20.1838, 9.7416,
95.4243

■ 61.8929, 59.9699,
102.9210

■ 18.6262, 7.8884,
95.1486

■ 75.5194, 76.4169,
105.3774

■ 18.0741, 7.2324,
95.0511

■ 91.3414, 95.5212,
108.2310

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.



23.5633, 25.3500, 111.9359



33.1779, 25.3500, 97.7521



41.8757, 25.3500, 62.5321

Triad

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



33.1779, 25.3500, 97.7521



34.3383, 25.3500, 3.3322



10.6657, 25.3500, 26.0976

Complementary

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



33.1779, 25.3500, 97.7521



80.1441, 93.9950, 32.3315

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.



12.2300, 25.3500, 8.9351



33.1779, 25.3500, 97.7521



24.6335, 25.3500, 1.8378

Square

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



33.1779, 25.3500, 97.7521



42.6539, 25.3500, 10.2458



16.8415, 25.3500, 2.9717



11.8926, 25.3500, 58.0644

Rectangle

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



33.1779, 25.3500, 97.7521



45.1629, 25.3500, 38.9339



16.8415, 25.3500, 2.9717



10.8728, 25.3500, 18.7143

Sweetspot

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



33.1789, 25.3508, 97.7522



70.0274, 69.7872, 104.3872



61.8362, 82.8777, 107.3456



14.3873, 14.2114, 22.2347



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.



33.1789, 25.3508, 97.7522



26.8620, 17.7510, 96.6182



45.8723, 31.8944, 98.3462



17.0157, 17.3843, 22.7086



9.4496, 3.7819, 49.6665



0.9243, 0.3704, 4.8361

Inverse Universe

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



66.0883, 42.3348, 98.4499



63.1290, 36.4698, 97.2984



60.1355, 83.6802, 31.3951



18.7865, 18.2979, 22.7586



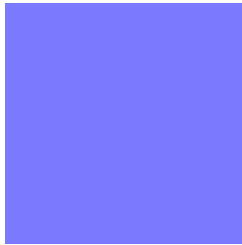
30.8217, 14.8180, 49.8390



3.0029, 1.4435, 4.8624

Previews

White Background



This preview shows how the XYZ color 33.1779, 25.3500, 97.7521 looks on a white background.

Color Contrast Check

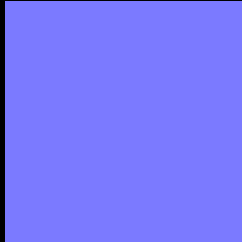
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1779, 25.3500, 97.7521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

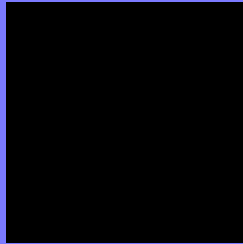
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1779, 25.3500, 97.7521

Background



This preview shows how black text looks on a background with the XYZ color 33.1779, 25.3500, 97.7521.



This preview shows how white text looks on a background with the XYZ color 33.1779, 25.3500,

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

33.1779, 25.3500, 97.7521

Protanopia

29.1852, 25.4115, 97.9744

Deuteranopia

26.3214, 25.5335, 92.3481



Tritanopia

20.8641, 25.3017, 36.1318

Trichromacy



Original Color

33.1779, 25.3500, 97.7521

Protanomaly

30.2146, 25.1447, 97.8687

Deuteranomaly

26.8823, 24.2980, 94.5399

Tritanomaly

24.1648, 24.6251, 53.9316

Monochromacy



Original Color

33.1779, 25.3500, 97.7521

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 33.1779, 25.3500, 97.7521 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(123, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.1779, 25.3500, 97.7521 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(123, 122, 255) }
```


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

```
.border{ border-color:rgb(123, 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(123, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1779, 25.3500, 97.7521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 122, 255) }
```

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

```
.background{ background-color: rgb(123,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor