

Converting Colors

XYZ(39.0732, 27.7938,
127.1023)

Have a look what the booklet for
XYZ(39.0732, 27.7938, 127.1023)
contains.

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Color

**XYZ(33.4670, 25.4990,
97.7656)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7AFF
RGB	125, 122, 255
RGB Percent	49%, 48%, 100%
CMY	0.5098, 0.5216, 0.0000
CMYK	0.51, 0.52, 0.00, 0.00
HSL	241°, 100%, 74%
HSV	241°, 52%, 100%
XYZ	33.4670, 25.4990, 97.7656
YIQ	138.0590, -40.9050, 41.9990

Conversions

Conversions Part 2

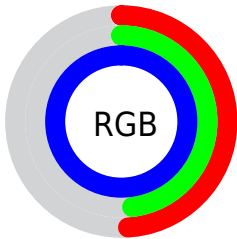
Format	Color
R _Y B	125, 122, 255
Decimal	8223487
CIE Lab	57.56, 36.01, -66.12
CIE LCh	58, 75.292, 298.572
Yxy	25.4990, 0.2135, 0.1627
Android (android.graphics.Color)	4286413567 (0xFF7D7AFF)
YUV	138.0590, 57.6519, -11.4527
Hunter-Lab	50.4965, 29.9334, -79.4429

Details

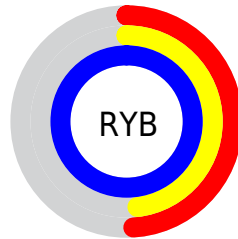
The XYZ color **33.4670, 25.4990, 97.7656** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **79.4158, 93.6196, 32.2974**, and the grayscale version is **23.9793, 25.2280, 27.4733**.

A 20% lighter version of the original color is **53.3876, 48.1942, 101.0963**, and **14.3851, 9.7884, 53.9545** is the 20% darker color. If you saturate the color by 10%, you get **27.5434, 18.3915, 96.7060**, and if you desaturate by 10%, it is **41.1266, 34.7210, 99.1420**.

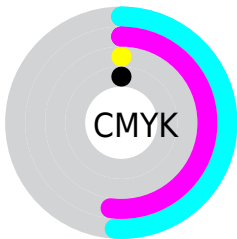
Distribution



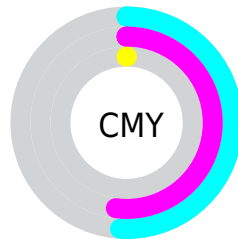
- Red (49%)
- Green (48%)
- Blue (100%)



- Red (49%)
- Yellow (48%)
- Blue (100%)



- Cyan (51%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4670, 25.4990, 97.7656 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 33.4670, 25.4990, 97.7656 by changing the saturation by 10% instead.

■ 33.4670, 25.4990,
97.7656

■ 33.4670, 25.4990,
97.7656

309.3767,
280.3140, 574.1903

■ 22.6454, 16.4492,
73.8294

■ 64.4538, 52.4656,
160.1082

■ 14.4511, 9.8426,
54.1584

■ 85.3496, 71.1512,
199.3516

■ 8.5189, 5.2947,
38.3343

■ 110.3343, 93.8175,
244.5346

■ 4.4833, 2.4212,
25.9384

139.7730,
120.8490, 296.0755

■ 1.9790, 0.8368,
16.5522

174.0313,
152.6300, 354.3930

■ 0.6221, 0.0000,
9.7572

213.4745,

■ 0.0000, 0.0000,

189.5449, 419.9056

5.1348

258.4678,
231.9781, 493.0319

■ 0.0000, 0.0000,
2.2664

■ 0.0000, 0.0000,
0.7123

■ 33.4670, 25.4990,
97.7656

■ 33.4670, 25.4990,
97.7656

■ 27.5434, 18.3915,
96.7060

■ 41.1266, 34.7210,
99.1420

■ 23.2174, 13.2289,
95.9375

■ 50.6402, 46.2046,
100.8571

■ 20.3346, 9.8193,
95.4313

■ 62.1189, 60.0864,
102.9316

■ 18.7088, 7.9310,
95.1525

■ 75.6643, 76.4915,
105.3841

■ 18.1221, 7.2572,
95.0534

■ 91.3709, 95.5363,
108.2323

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.



23.8084, 25.4990, 112.3378



33.4670, 25.4990, 97.7656



42.1558, 25.4990, 62.3522

Triad

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



33.4670, 25.4990, 97.7656



34.3996, 25.4990, 3.3354



10.7489, 25.4990, 26.5501

Complementary

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



33.4670, 25.4990, 97.7656



79.4158, 93.6196, 32.2974

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.



12.2869, 25.4990, 9.1385



33.4670, 25.4990, 97.7656



24.6688, 25.4990, 1.8652

Square

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



33.4670, 25.4990, 97.7656



42.7811, 25.4990, 10.1941



16.8807, 25.4990, 3.0443



12.0154, 25.4990, 58.7635

Rectangle

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



33.4670, 25.4990, 97.7656



45.4042, 25.4990, 38.7589



16.8807, 25.4990, 3.0443



10.9460, 25.4990, 19.0740

Sweetspot

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



33.4680, 25.4998, 97.7657



70.2074, 69.8800, 104.3956



61.1331, 81.4715, 107.1113



14.4294, 14.2331, 22.2367



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.



33.4680, 25.4998, 97.7657



27.1188, 17.8834, 96.6303



46.4244, 32.1790, 98.3721



17.0410, 17.3973, 22.7098



9.4856, 3.8005, 49.6682



0.9363, 0.3766, 4.8366

Inverse Universe

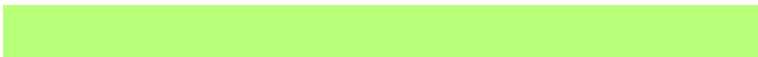
The Inverse Universe completely reimagines the original color for something new.



65.7695, 42.2072, 96.7713



62.7448, 36.3162, 95.2753



59.5916, 83.3999, 31.3696



18.7739, 18.2929, 22.6925



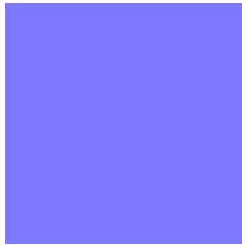
30.5107, 14.6936, 48.2014



2.9761, 1.4328, 4.7218

Previews

White Background



This preview shows how the XYZ color 33.4670, 25.4990, 97.7656 looks on a white background.

Color Contrast Check

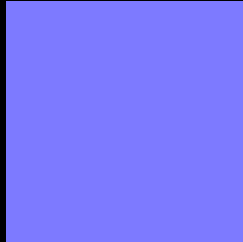
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4670, 25.4990, 97.7656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

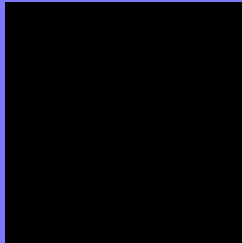
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4670, 25.4990, 97.7656

Background



This preview shows how black text looks on a background with the XYZ color 33.4670, 25.4990, 97.7656.



This preview shows how white text looks on a background with the XYZ color 33.4670, 25.4990,

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

33.4670, 25.4990, 97.7656

Protanopia

29.3991, 25.7260, 98.0239

Deuteranopia

26.3214, 25.5335, 92.3481



Tritanopia

21.0665, 25.4061, 36.1413

Trichromacy



Original Color

33.4670, 25.4990, 97.7656

Protanomaly

30.5468, 25.5124, 97.9221

Deuteranomaly

26.8823, 24.2980, 94.5399

Tritanomaly

24.3970, 24.7448, 53.9424

Monochromacy



Original Color

33.4670, 25.4990, 97.7656

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.2646, 24.8253, 47.1235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4670, 25.4990, 97.7656 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, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(125, 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(125, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.4670, 25.4990, 97.7656 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, 122, 255) }
```


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

```
.border{ border-color:rgb(125, 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(125, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 122, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 122, 255); box-shadow:4px 4px 4px 4px rgb(125, 122, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4670, 25.4990, 97.7656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 122, 255) }
```

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

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