

Converting Colors

XYZ(32.7209, 24.4637, 97.6051)

Have a look what the booklet for
XYZ(32.7209, 24.4637, 97.6051)
contains.

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Color

**XYZ(32.6968, 24.3878,
97.5918)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7B76FF |
| RGB | 123, 118, 255 |
| RGB Percent | 48%, 46%, 100% |
| CMY | 0.5176, 0.5373, 0.0000 |
| CMYK | 0.52, 0.54, 0.00, 0.00 |
| HSL | 242°, 100%, 73% |
| HSV | 242°, 54%, 100% |
| XYZ | 32.6968, 24.3878, 97.5918 |
| YIQ | 135.1130, -40.9970, 43.6670 |

Conversions

Conversions Part 2

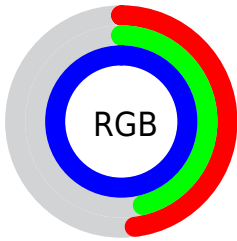
| Format | Color |
|-------------------------------------|---------------------------------------------|
| RYB | 123, 118, 255 |
| Decimal | 8091391 |
| CIELab | 56.47, 37.95, -67.88 |
| CIELCh | 56, 77.768, 299.212 |
| Yxy | 24.3878, 0.2114, 0.1577 |
| Android (android.graphics.Color) | 4286281471 (0xFF7B76FF) |
| YUV | 135.1130, 59.1043, -10.6231 |
| Hunter-Lab | 49.3840, 31.7616, -82.5990 |

Details

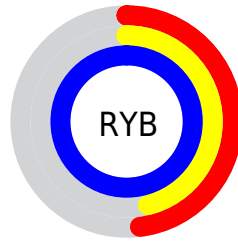
The XYZ color **32.6968, 24.3878, 97.5918** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **78.4526, 93.1511, 30.9849**, and the grayscale version is **22.8706, 24.0616, 26.2031**.

A 20% lighter version of the original color is **51.9532, 46.0367, 100.7555**, and **13.9511, 9.1870, 53.8613** is the 20% darker color. If you saturate the color by 10%, you get **27.0051, 17.5825, 96.5782**, and if you desaturate by 10%, it is **40.0838, 33.2720, 98.9172**.

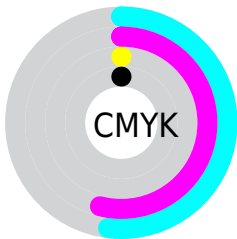
Distribution



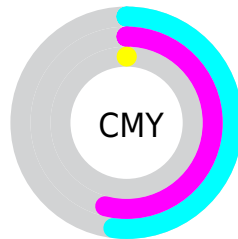
- Red (48%)
- Green (46%)
- Blue (100%)



- Red (48%)
- Yellow (46%)
- Blue (100%)



- Cyan (52%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6968, 24.3878, 97.5918 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 32.6968, 24.3878, 97.5918 by changing the saturation by 10% instead.

 32.6968, 24.3878,
97.5918


 32.6968, 24.3878,
97.5918


305.9705,
274.7752, 573.6244


 22.0524, 15.6215,
73.6852


 63.2597, 50.6623,
159.8667

 14.0122, 9.2567,
54.0412


 83.9090, 68.9393,
199.0721

 8.2109, 4.9090,
38.2412


 108.6238, 91.1554,
244.2143

 4.2831, 2.1940,
25.8667

137.7697,
117.6949, 295.7116

 1.8635, 0.7167,
16.4991

171.7120,
148.9423, 353.9828

 0.5555, 0.0000,
9.7198

210.8160,

 0.0000, 0.0000,

185.2818, 419.4463

5.1104

255.4470,
227.0980, 492.5207

■ 0.0000, 0.0000,
2.2523

■ 0.0000, 0.0000,
0.7043

■ 32.6968, 24.3878,
97.5918

■ 32.6968, 24.3878,
97.5918

■ 27.0051, 17.5825,
96.5782

■ 40.0838, 33.2720,
98.9172

■ 22.8712, 12.6851,
95.8508

■ 49.2828, 44.3832,
100.5771

■ 20.1416, 9.5012,
95.3801

■ 60.4039, 57.8584,
102.5919

■ 18.6296, 7.7939,
95.1302

■ 73.5475, 73.8230,
104.9806

■ 18.1666, 7.2801,
95.0555

■ 88.8070, 92.3938,
107.7609

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.



22.9426, 24.3878, 113.3795



32.6968, 24.3878, 97.5918



41.4591, 24.3878, 60.8752

Triad

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



32.6968, 24.3878, 97.5918



33.2182, 24.3878, 2.6758



9.8212, 24.3878, 25.8781

Complementary

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



32.6968, 24.3878, 97.5918



78.4526, 93.1511, 30.9849

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.



11.2618, 24.3878, 8.4023



32.6968, 24.3878, 97.5918



23.4188, 24.3878, 1.4307

Square

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



32.6968, 24.3878, 97.5918



41.8109, 24.3878, 8.9628



15.7160, 24.3878, 2.5308



11.1153, 24.3878, 58.8448

Rectangle

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



32.6968, 24.3878, 97.5918



44.6834, 24.3878, 36.9573



15.7160, 24.3878, 2.5308



9.9938, 24.3878, 18.3131

Sweetspot

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



32.6978, 24.3885, 97.5918



70.3748, 69.9663, 104.4034



59.8418, 79.7125, 106.8398



14.4686, 14.2533, 22.2385



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.



32.6978, 24.3885, 97.5918



26.8712, 17.4232, 96.5545



46.0313, 31.2622, 98.2158



17.0644, 17.4094, 22.7109



9.5190, 3.8177, 49.6698



0.9475, 0.3824, 4.8371

Inverse Universe

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



64.9731, 41.1189, 94.9506



62.1546, 35.7216, 93.2724



58.3059, 82.7651, 30.0421



18.7623, 18.2882, 22.6315



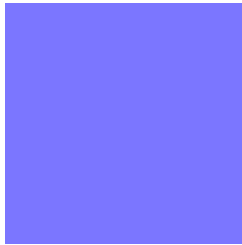
30.2281, 14.5805, 46.7132



2.9518, 1.4231, 4.5937

Previews

White Background



This preview shows how the XYZ color 32.6968, 24.3878, 97.5918 looks on a white background.

Color Contrast Check

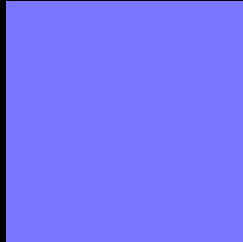
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6968, 24.3878, 97.5918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

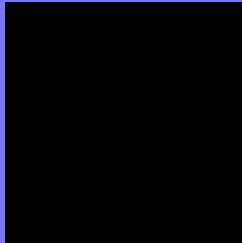
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.6968, 24.3878, 97.5918

Background



This preview shows how black text looks on a background with the XYZ color 32.6968, 24.3878, 97.5918.



This preview shows how white text looks on a background with the XYZ color 32.6968, 24.3878,

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

32.6968, 24.3878, 97.5918

Protanopia

28.4131, 24.6108, 97.8606

Deuteranopia

25.1155, 24.5878, 87.4266



Tritanopia

20.0532, 24.2356, 34.6314

Trichromacy



Original Color

32.6968, 24.3878, 97.5918

Protanomaly

29.4413, 24.1679, 97.7209

Deuteranomaly

25.9870, 23.5059, 91.1631

Tritanomaly

23.5226, 23.6953, 52.6241

Monochromacy



Original Color

32.6968, 24.3878, 97.5918

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.3470, 23.7805, 45.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6968, 24.3878, 97.5918 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, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 118, 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, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 118, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.6968, 24.3878, 97.5918 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, 118, 255) }
```


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

```
.border{ border-color:rgb(123, 118, 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, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 118,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6968, 24.3878, 97.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 118, 255) }
```

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

```
.background{ background-color: rgb(123,  
118, 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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