

Converting Colors

XYZ(32.3045, 24.2715, 97.3400)

Have a look what the booklet for
XYZ(32.3045, 24.2715, 97.3400)
contains.

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Color

**XYZ(32.2742, 24.1699,
97.5720)**

Conversions

Conversions Part 1

Format	Color
Hex	7876FF
RGB	120, 118, 255
RGB Percent	47%, 46%, 100%
CMY	0.5294, 0.5373, 0.0000
CMYK	0.53, 0.54, 0.00, 0.00
HSL	241°, 100%, 73%
HSV	241°, 54%, 100%
XYZ	32.2742, 24.1699, 97.5720
YIQ	134.2160, -42.7850, 43.0310

Conversions

Conversions Part 2

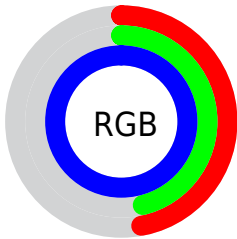
Format	Color
R _Y B	120, 118, 255
Decimal	7894783
CIE _{Lab}	56.26, 37.37, -68.24
CIE _{LCh}	56, 77.801, 298.708
Y _{xy}	24.1699, 0.2096, 0.1569
Android (android.graphics.Color)	4286084863 (0xFF7876FF)
Y _{UV}	134.2160, 59.5465, -12.4674
Hunter-Lab	49.1629, 31.1457, -83.2569

Details

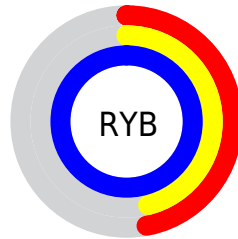
The XYZ color **32.2742, 24.1699, 97.5720** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **79.5358, 93.7095, 31.0355**, and the grayscale version is **22.5396, 23.7134, 25.8239**.

A 20% lighter version of the original color is **51.2471, 45.6727, 100.7224**, and **13.7895, 9.1958, 53.8715** is the 20% darker color. If you saturate the color by 10%, you get **26.6276, 17.3878, 96.5605**, and if you desaturate by 10%, it is **39.6484, 33.0475, 98.8968**.

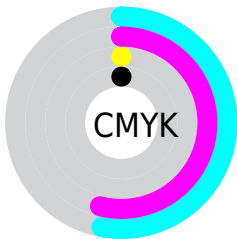
Distribution



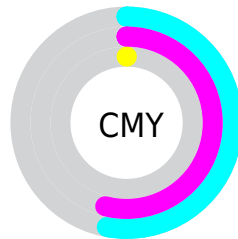
- Red (47%)
- Green (46%)
- Blue (100%)



- Red (47%)
- Yellow (46%)
- Blue (100%)



- Cyan (53%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2742, 24.1699, 97.5720 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 32.2742, 24.1699, 97.5720 by changing the saturation by 10% instead.

■ 32.2742, 24.1699,
97.5720

■ 32.2742, 24.1699,
97.5720

304.0896,
273.6783, 573.5599

■ 21.7276, 15.4597,
73.6688

■ 62.6030, 50.3073,
159.8392

■ 13.7724, 9.1426,
54.0279

■ 83.1159, 68.5033,
199.0403

■ 8.0431, 4.8343,
38.2306

■ 107.6816, 90.6300,
244.1778

■ 4.1746, 2.1504,
25.8585

136.6654,
117.0719, 295.6702

■ 1.8014, 0.6927,
16.4930

170.4328,
148.2132, 353.9361

■ 0.5185, 0.0000,
9.7156

209.3491,

■ 0.0000, 0.0000,

184.4385, 419.3940

5.1076

253.7795,
226.1321, 492.4624

■ 0.0000, 0.0000,
2.2507

■ 0.0000, 0.0000,
0.7034

■ 32.2742, 24.1699,
97.5720

■ 32.2742, 24.1699,
97.5720

■ 26.6276, 17.3878,
96.5605

■ 39.6484, 33.0475,
98.8968

■ 22.5653, 12.5273,
95.8364

■ 48.8720, 44.1713,
100.5578

■ 19.9262, 9.3902,
95.3700

■ 60.0591, 57.6805,
102.5757

■ 18.5137, 7.7341,
95.1248

■ 73.3142, 73.7026,
104.9697

■ 18.0967, 7.2441,
95.0522

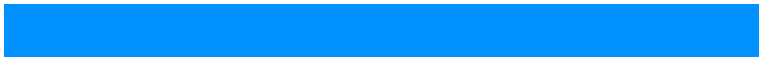
■ 88.7339, 92.3560,
107.7574

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.



22.5867, 24.1699, 112.7888



32.2742, 24.1699, 97.5720



41.0479, 24.1699, 61.1306

Triad

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



32.2742, 24.1699, 97.5720



33.1250, 24.1699, 2.6691



9.7019, 24.1699, 25.2207

Complementary

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



32.2742, 24.1699, 97.5720



79.5358, 93.7095, 31.0355

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.



11.1782, 24.1699, 8.1165



32.2742, 24.1699, 97.5720



23.3632, 24.1699, 1.3951

Square

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



32.2742, 24.1699, 97.5720



41.6222, 24.1699, 9.0277



15.6558, 24.1699, 2.4345



10.9398, 24.1699, 57.8149

Rectangle

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



32.2742, 24.1699, 97.5720



44.3285, 24.1699, 37.2000



15.6558, 24.1699, 2.4345



9.8882, 24.1699, 17.7950

Sweetspot

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



32.2752, 24.1706, 97.5720



70.1121, 69.8309, 104.3911



61.2813, 82.5916, 107.3197



14.4071, 14.2216, 22.2357



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.



32.2752, 24.1706, 97.5720



26.4954, 17.2294, 96.5369



44.9000, 30.6789, 98.1629



17.0276, 17.3905, 22.7092



9.4666, 3.7907, 49.6673



0.9300, 0.3733, 4.8363

Inverse Universe

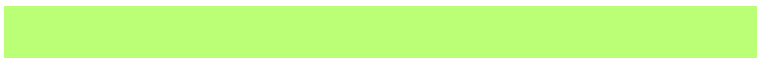
The Inverse Universe completely reimagines the original color for something new.



65.4472, 41.3085, 97.4472



62.7174, 35.9467, 96.2360



59.4015, 83.3299, 30.0933



18.7805, 18.2955, 22.7274



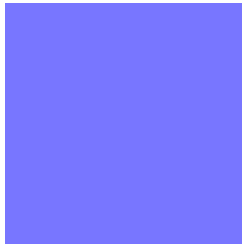
30.6744, 14.7591, 49.0634



2.9902, 1.4385, 4.7958

Previews

White Background



This preview shows how the XYZ color 32.2742, 24.1699, 97.5720 looks on a white background.

Color Contrast Check

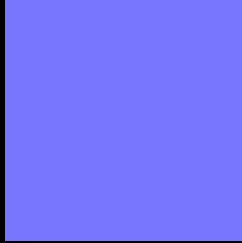
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2742, 24.1699, 97.5720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

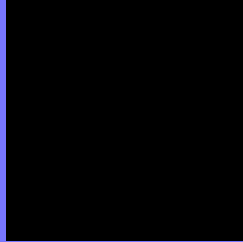
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2742, 24.1699, 97.5720

Background



This preview shows how black text looks on a background with the XYZ color 32.2742, 24.1699, 97.5720.



This preview shows how white text looks on a background with the XYZ color 32.2742, 24.1699,

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

32.2742, 24.1699, 97.5720

Protanopia

28.2126, 24.3091, 97.8129

Deuteranopia

24.8228, 24.2422, 86.5900



Tritanopia

19.5766, 23.9899, 34.6091

Trichromacy



Original Color

32.2742, 24.1699, 97.5720

Protanomaly

29.2572, 24.0730, 97.7123

Deuteranomaly

25.6559, 23.1546, 90.3058

Tritanomaly

22.9661, 23.4085, 52.5981

Monochromacy



Original Color

32.2742, 24.1699, 97.5720

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.8083, 23.3198, 45.3131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2742, 24.1699, 97.5720 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(120, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.2742, 24.1699, 97.5720 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(120, 118, 255) }
```


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

```
.border{ border-color:rgb(120, 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(120, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2742, 24.1699, 97.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 255) }
```

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

```
.background{ background-color: rgb(120,  
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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