

Converting Colors

XYZ(33.8398, 31.0328, 60.3203)

Have a look what the booklet for
XYZ(33.8398, 31.0328, 60.3203)
contains.

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Color

**XYZ(33.7708, 30.9831,
60.0775)**

Conversions

Conversions Part 1

Format	Color
Hex	9990CA
RGB	153, 144, 202
RGB Percent	60%, 56%, 79%
CMY	0.4000, 0.4353, 0.2078
CMYK	0.24, 0.29, 0.00, 0.21
HSL	249°, 35%, 68%
HSV	249°, 29%, 79%
XYZ	33.7708, 30.9831, 60.0775
YIQ	153.3030, -13.2540, 19.9460

Conversions

Conversions Part 2

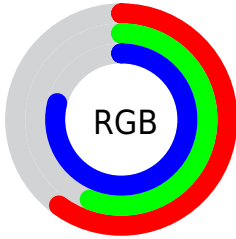
Format	Color
R _Y B	153, 144, 202
Decimal	10064074
CIE Lab	62.49, 15.80, -28.71
CIE LCh	62, 32.768, 298.834
Yxy	30.9831, 0.2705, 0.2482
Android (android.graphics.Color)	4288254154 (0xFF9990CA)
YUV	153.3030, 24.0076, -0.2657
Hunter-Lab	55.6625, 10.8879, -25.0290

Details

The XYZ color **33.7708, 30.9831, 60.0775** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.1477, 55.5928, 34.5797**, and the grayscale version is **30.3139, 31.8926, 34.7310**.

A 20% lighter version of the original color is **64.2565, 61.0181, 102.9987**, and **14.7148, 12.9102, 29.7333** is the 20% darker color. If you saturate the color by 10%, you get **27.9868, 23.8593, 59.0078**, and if you desaturate by 10%, it is **40.5649, 39.4417, 61.3526**.

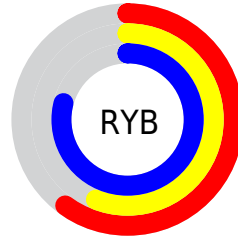
Distribution



Red (60%)

Green (56%)

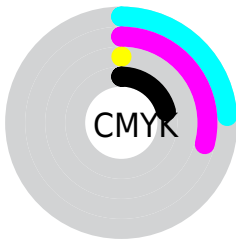
Blue (79%)



Red (60%)

Yellow (56%)

Blue (79%)

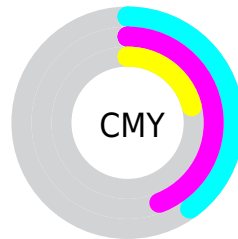


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (21%)



Cyan (40%)

Magenta (44%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7708, 30.9831, 60.0775 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 33.7708, 30.9831, 60.0775 by changing the saturation by 10% instead.

■ 33.7708, 30.9831,
60.0775

■ 33.7708, 30.9831,
60.0775

310.7128,
306.4605, 442.6959

■ 22.8796, 20.5860,
43.0554

■ 64.9237, 61.2135,
106.4866

■ 14.6249, 12.8217,
29.5969

■ 85.9162, 81.8155,
136.7106

■ 8.6411, 7.3059,
19.2833

111.0065,
106.5880, 172.1724

■ 4.5631, 3.6541,
11.6963

140.5600,
135.9152, 213.2904

■ 2.0254, 1.4820,
6.4172

174.9420,
170.1817, 260.4832

■ 0.6481, 0.2760,
3.0275

214.5179,

■ 0.0000, 0.0000,

209.7718, 314.1694

1.1087

259.6531,
255.0699, 374.7675

■ 0.0000, 0.0000,
0.0000

■ 33.7708, 30.9831,
60.0775

■ 33.7708, 30.9831,
60.0775

■ 27.9868, 23.8593,
59.0078

■ 40.5649, 39.4417,
61.3526

■ 23.1613, 17.9980,
58.1308

■ 48.4115, 49.2948,
62.8409

■ 19.2424, 13.3261,
57.4356

■ 57.3539, 60.6031,
64.5523

■ 16.1722, 9.7610,
56.9093

■ 67.4325, 73.4224,
66.4955

■ 13.8859, 7.2095,
56.5373

■ 78.6854, 87.8058,
68.6787

■ 12.3088, 5.5630,
56.3026

■ 87.6608, 97.0443,
69.9888

■ 11.3337, 4.6532,
56.1784

■ 11.2362, 4.5610,
56.1657

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.2747, 30.9831, 64.6448



33.7708, 30.9831, 60.0775



37.3935, 30.9831, 48.0726

Triad

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



33.7708, 30.9831, 60.0775



34.1023, 30.9831, 16.8114



21.6955, 30.9831, 33.2391

Complementary

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



33.7708, 30.9831, 60.0775



48.1477, 55.5928, 34.5797

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.



22.7170, 30.9831, 22.5763



33.7708, 30.9831, 60.0775



29.6230, 30.9831, 14.6878

Square

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



33.7708, 30.9831, 60.0775



37.5981, 30.9831, 23.2435



25.5117, 30.9831, 16.4999



22.5709, 30.9831, 46.9872

Rectangle

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



33.7708, 30.9831, 60.0775



38.6659, 30.9831, 38.7068



25.5117, 30.9831, 16.4999



21.8264, 30.9831, 29.2089

Sweetspot

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



33.7718, 30.9843, 60.0782



81.3837, 82.7277, 106.2864



41.2995, 48.4671, 63.0560



16.9779, 17.1510, 22.6656



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.



33.7718, 30.9843, 60.0782



51.3412, 45.2512, 100.6361



39.8555, 34.1206, 60.3629



10.7612, 10.9262, 14.1122



7.2789, 2.9599, 36.1440



0.4282, 0.1799, 1.8671

Inverse Universe

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



43.9569, 36.3545, 55.1533



71.2571, 55.7598, 90.6553



41.5273, 52.1799, 34.2698



11.6098, 11.3727, 13.7460



20.4095, 9.9744, 25.6726



1.0736, 0.5228, 1.4334

Previews

White Background



This preview shows how the XYZ color 33.7708, 30.9831, 60.0775 looks on a white background.

Color Contrast Check

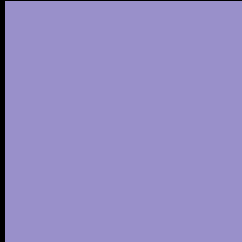
Large Text (above 18pt) WCAG AA × Fail

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 33.7708, 30.9831, 60.0775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

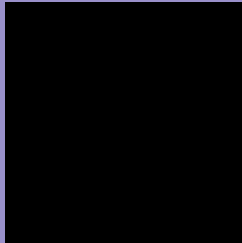
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7708, 30.9831, 60.0775

Background



This preview shows how black text looks on a background with the XYZ color 33.7708, 30.9831, 60.0775.



This preview shows how white text looks on a background with the XYZ color 33.7708, 30.9831,

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

33.7708, 30.9831, 60.0775

Protanopia

31.8797, 31.1020, 62.7156

Deuteranopia

31.7713, 31.1152, 59.5896



Tritanopia

29.5315, 30.8886, 39.0559

Trichromacy



Original Color

33.7708, 30.9831, 60.0775

Protanomaly

32.6085, 31.0260, 62.0276

Deuteranomaly

32.3040, 30.9241, 59.5247

Tritanomaly

30.9201, 30.7437, 45.8994

Monochromacy



Original Color

33.7708, 30.9831, 60.0775

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.3939, 31.5253, 42.9584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7708, 30.9831, 60.0775 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(153, 144, 202)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 202)  
}
```

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(153, 144, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 202) }
```

Border

The CSS property to change the border of an element to XYZ 33.7708, 30.9831, 60.0775 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(153, 144, 202) }
```


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

```
.border{ border-color:rgb(153, 144, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 202);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7708, 30.9831, 60.0775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 202) }
```

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

```
.background{ background-color: rgb(153,  
144, 202) }
```

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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