

Converting Colors

XYZ(33.7078, 30.8362, 75.4181)

Have a look what the booklet for
XYZ(33.7078, 30.8362, 75.4181)
contains.

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Color

**XYZ(33.7077, 30.8379,
75.4099)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8791E1 |
| RGB | 135, 145, 225 |
| RGB Percent | 53%, 57%, 88% |
| CMY | 0.4706, 0.4314, 0.1176 |
| CMYK | 0.40, 0.36, 0.00, 0.12 |
| HSL | 233°, 60%, 71% |
| HSV | 233°, 40%, 88% |
| XYZ | 33.7077, 30.8379, 75.4099 |
| YIQ | 151.1300, -31.6400, 22.7600 |

Conversions

Conversions Part 2

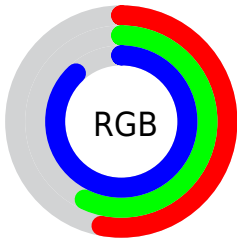
| Format | Color |
|-------------------------------------|---|
| RYB | 135, 144, 225 |
| Decimal | 8884705 |
| CIELab | 62.37, 16.11, -41.83 |
| CIELCh | 62, 44.825, 291.066 |
| Yxy | 30.8379, 0.2408, 0.2203 |
| Android (android.graphics.Color) | 4287074785 (0xFF8791E1) |
| YUV | 151.1300, 36.4179, -14.1460 |
| Hunter-Lab | 55.5319, 11.1682, -41.6409 |

Details

The XYZ color **33.7077, 30.8379, 75.4099** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **59.7262, 66.3594, 32.5840**, and the grayscale version is **29.3307, 30.8582, 33.6046**.

A 20% lighter version of the original color is **59.9593, 59.1432, 102.8633**, and **14.5619, 12.7545, 39.2305** is the 20% darker color. If you saturate the color by 10%, you get **27.6710, 23.5819, 74.3281**, and if you desaturate by 10%, it is **41.0496, 39.5665, 76.7083**.

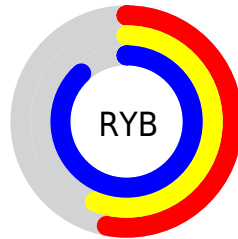
Distribution



Red (53%)

Green (57%)

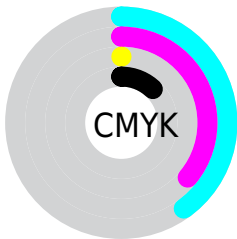
Blue (88%)



Red (53%)

Yellow (56%)

Blue (88%)

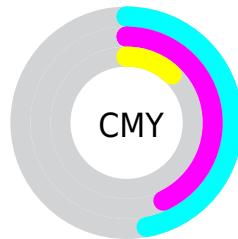


Cyan (40%)

Magenta (36%)

Yellow (0%)

Black (12%)



Cyan (47%)

Magenta (43%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7077, 30.8379, 75.4099 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 33.7077, 30.8379, 75.4099 by changing the saturation by 10% instead.

■ 33.7077, 30.8379,
75.4099

■ 33.7077, 30.8379,
75.4099

310.4356,
305.7908, 498.6182

■ 22.8310, 20.4754,
55.4450

■ 64.8262, 60.9848,
128.6449

■ 14.5887, 12.7411,
39.3571

■ 85.7986, 81.5380,
162.7520

■ 8.6157, 7.2505,
26.7277

■ 110.8670,
106.2569, 202.4103

■ 4.5465, 3.6193,
17.1382

140.3967,
135.5259, 248.0383

■ 2.0157, 1.4630,
10.1701

174.7531,
169.7294, 300.0546

■ 0.6428, 0.2624,
5.4048

214.3014,

■ 0.0000, 0.0000,

209.2518, 358.8776

2.4238

259.4072,
254.4775, 424.9260

■ 0.0000, 0.0000,
0.7994

■ 0.0000, 0.0000,
0.0000

■ 33.7077, 30.8379,
75.4099

■ 33.7077, 30.8379,
75.4099

■ 27.6710, 23.5819,
74.3281

■ 41.0496, 39.5665,
76.7083

■ 22.8593, 17.7136,
73.4490

■ 49.7638, 49.8394,
78.2319

■ 19.1887, 13.1446,
72.7606

■ 59.9168, 61.7278,
79.9915

■ 16.5634, 9.7749,
72.2485

■ 71.5698, 75.2973,
81.9964

■ 14.8712, 7.4894,
71.8966

■ 84.7805, 90.6100,
84.2558

■ 13.9384, 6.1316,
71.6836

■ 90.5907, 98.2163,
85.4178

■ 13.9383, 6.1314,
71.6836

Harmonies

Analogous

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



27.5355, 30.8379, 78.5883



33.7077, 30.8379, 75.4099



39.3558, 30.8379, 59.2592

Triad

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



33.7077, 30.8379, 75.4099



37.2715, 30.8379, 13.7142



19.2289, 30.8379, 28.6504

Complementary

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



33.7077, 30.8379, 75.4099



59.7262, 66.3594, 32.5840

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.



21.1389, 30.8379, 16.6511



33.7077, 30.8379, 75.4099



31.1601, 30.8379, 10.2025

Square

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



33.7077, 30.8379, 75.4099



41.6027, 30.8379, 22.9413



25.3134, 30.8379, 11.0512



19.7148, 30.8379, 47.0776

Rectangle

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



33.7077, 30.8379, 75.4099



41.7905, 30.8379, 45.6293



25.3134, 30.8379, 11.0512



19.6011, 30.8379, 23.8595

Sweetspot

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



33.7088, 30.8390, 75.4106



76.6029, 78.5078, 105.7239



49.1195, 63.8828, 73.6962



16.0041, 16.3455, 22.5614



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.



33.7088, 30.8390, 75.4106



37.9692, 32.7929, 98.9362



38.7256, 31.2562, 75.2267



13.0740, 13.4872, 17.3019



8.0738, 3.6171, 41.3210



0.6013, 0.3340, 2.8780

Inverse Universe

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



44.8272, 35.3812, 31.2556



54.7766, 40.0072, 32.1100



52.6598, 66.6122, 33.0052



13.7688, 13.7252, 14.5529



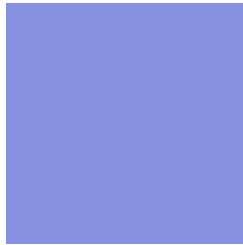
18.0155, 9.2732, 1.4812



1.2697, 0.6512, 0.2133

Previews

White Background



This preview shows how the XYZ color 33.7077, 30.8379, 75.4099 looks on a white background.

Color Contrast Check

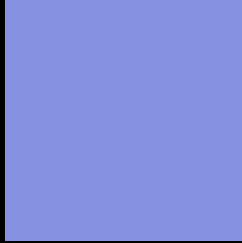
Large Text (above 18pt) WCAG AA × Fail

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 33.7077, 30.8379, 75.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

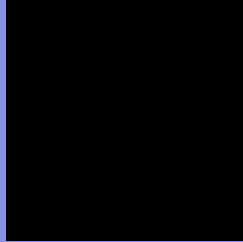
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7077, 30.8379, 75.4099

Background



This preview shows how black text looks on a background with the XYZ color 33.7077, 30.8379, 75.4099.



This preview shows how white text looks on a background with the XYZ color 33.7077, 30.8379,

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

33.7077, 30.8379, 75.4099

Protanopia

32.6234, 30.9368, 76.9250

Deuteranopia

31.8321, 31.0461, 74.8358



Tritanopia

26.9351, 30.7065, 42.0434

Trichromacy



Original Color

33.7077, 30.8379, 75.4099

Protanomaly

32.9136, 30.8704, 76.1754

Deuteranomaly

32.3566, 30.8467, 74.7696

Tritanomaly

29.0177, 30.5662, 52.5146

Monochromacy



Original Color

33.7077, 30.8379, 75.4099

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.4604, 30.7290, 46.4453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7077, 30.8379, 75.4099 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(135, 145, 225)` looks like.

```
.text, #text, p{  
    color:rgb(135, 145, 225)  
}
```

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(135, 145, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 145, 225) }
```

Border

The CSS property to change the border of an element to XYZ 33.7077, 30.8379, 75.4099 is called "border". The border property can be set on classes, ids or directly on the HTML element.

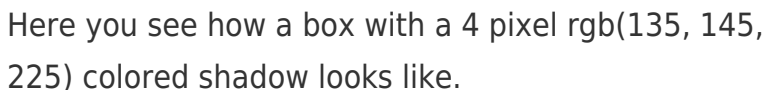
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 145, 225) }
```


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

```
.border{ border-color:rgb(135, 145, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 145, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 145, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 145, 225);  
box-shadow:4px 4px 4px 4px rgb(135, 145,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7077, 30.8379, 75.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 145, 225) }
```

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

```
.background{ background-color: rgb(135,  
145, 225) }
```

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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